Environmental Product Declaration

EPD®

In accordance with ISO 14025 and Product Category Rules for Absorbent Hygiene Products

TENA Flex

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Programme:	International EPD® System
Programme operator:	EPD International AB

Essity is a leading global hygiene and health company

Essity is a leading global hygiene and health company that develops, produces, and sells personal care (baby care, feminine care, incontinence products, and medical solutions), consumer tissue, and professional hygiene products and solutions.

We are dedicated to improving well-being through leading hygiene and health solutions. Sales are conducted in approximately 150 countries under many strong brands, including the leading global brands TENA and Tork, as well as Leukoplast, Libero, Libresse, Lotus, Nosotras, Saba, Tempo, Vinda, and Zewa.

Essity has about 46 000 employees and net sales in 2019 amounted to SEK 129 bn (EUR 12.2 bn). The business operations are based on a sustainable business model with a focus on value creation for people and nature.

The company has its headquarters in Stockholm, Sweden, and is listed on Nasdaq Stockholm. Essity breaks barriers to well-being and contributes to a healthy, sustainable, and circular society. More information at www.essity.com.

TENA is a part of Essity

Through our TENA brand, we offer a broad range of incontinence products and services. The clear purpose of this offering is to care for people, improve their quality of life, and help them live with dignity and confidence.

For our institutional customers, such as nursing homes, it also means reducing costs while increasing efficiency and quality of care. This is done through a combination of high-quality products and qualified advisory services that simplify handling procedures for care providers.

Since incontinence is often surrounded by a social taboo, enhancing quality of life also means promoting an open dialogue to break down the stigma. So, in addition to providing products that improve health and hygiene, we're working hard to raise awareness, provide training and global forums, and drive high-level dialogues around the world.

At TENA we're continually innovating new products that are increasingly discrete, comfortable, effective, and easy to use, while also reducing our carbon footprint. To make a better mark – for people, and for the planet.

TENA assortment	
TENA Female Liners & Pads	A drier, safer, and more comfortable product than ordinary menstrual towel. The liners and pads give triple protection against leaks, odour, and moisture. The products are body shaped for comfort, protection, and discretion.
TENA Men	TENA Men are discreet and safe protection for men who experience urine leakage. Specially developed for men who wants discretion and continue to live an active life.
TENA Pants & Underwear	Close body fit for security and confidence. High performance products that are as easy to put on as underwear. TENA Pants & Underwear are available in a range of absorbency levels and sizes.
TENA Flex	A belted product with added absorbency that allows for easier, more ergonomic changing and with a comfortable, discreet fit. TENA Flex provides anatomically shaped protection with double absorption cores for leakage security.
TENA Comfort TENA Rectangular	The pad is designed to provide incontinence protection for skin health and leakage security. Available in a range of absorbency levels and specially designed to be worn with TENA fixation pants. The products are suitable for all types of incontinence.
TENA Slip	All-in-one incontinence products are designed to provide protection for healthy skin and high leakage security. The products are available in a range of sizes and absorbency levels and are suitable for all types of incontinence.
TENA Fix	A seamless, washable and reusable fixation pant supporting leakage security. Ensures that TENA Comfort and TENA Rectangular pads stay securely in place. Soft and elastic material provides comfort. Can be washed several times without losing shape.
TENA Bed	Provides protection for beds and chairs against accidental urine loss and during hygiene procedures. Dermatologically tested so it is gentle to the skin. Available in a range of sizes and absorbency levels.
Baby diaper assortment	
Libero assortment	The Libero assortment fulfils the demands for premium-brand baby diaper and the diapers have an absorption capacity/function that cover different steps of the baby's diaper needs. The diapers consist of an absorbent core, anti-leakage barrier, fastening system, and a back sheet. The assortment is uni-sex. Libero Newborn, Comfort, UP&GO, Touch, and Sleep Tight are all labelled with the Nordic Swan.
DryKids	DryKids assortment of breathable diapers for children quickly absorb urine and help to keep the child’s skin dry and healthy.

This environmental declaration covers the following products		Article number	Dimension (mm)	Weight ± 5% (g)
1	TENA Flex Normal M	722360* 722234 730369 730082*	803 x 350	64
2	TENA Flex Normal L	722393* 722334 722514 722394*	863 x 410	72
3	TENA Flex Plus S	720513 720514* 723130 730439 730437 730438*	710 x 300	67
4	TENA Flex Plus M	720515 720516* 723230 730432 730430 730431*	803 x 350	78
5	TENA Flex Plus L	720517 720518* 723330 728694 723333 728599*	863 x 410	90

* Article approved according to the Nordic Ecolabel License 3023 0069

This environmental declaration covers the following products		Article number	Dimension (mm)	Weight ± 5% (g)
6	TENA Flex Plus XL	720519* 723430 724950 7249960*	1030 x 520	118
7	TENA Flex Super S	724857 724900* 724130 730445 730446 730440*	710 x 300	79
8	TENA Flex Super M	724901 724910* 724230 730457 730458 730456*	803 x 350	90
9	TENA Flex Super L	724920 724930* 724330 728749 729281 728695*	863 x 410	100
10	TENA Flex Super XL	724940* 724430 724980* 724970*	1030 x 520	134

* Article approved according to the Nordic Ecolabel License 3023 0069

This environmental declaration covers the following products cont.		Article number	Dimension (mm)	Weight ± 5% (g)
11	TENA Flex Maxi S	725228* 725122 730453 730447*	710 x 300	108
12	TENA Flex Maxi M	725229* 725222 730434 730433*	803 x 350	116
13	TENA Flex Maxi L	725230* 725322 729352 729620*	863 x 410	138
14	TENA Flex Maxi XL	725231* 725421 725000 728533*	1030 x 520	185
15	TENA Flex Ultima S	725130* 730454 730455*	710 x 300	125
16	TENA Flex Ultima M	725220* 730435 730436*	803 x 350	138
17	TENA Flex Ultima L	725320* 729695 729909*	863 x 410	164
18	TENA Flex Ultima XL	725400* 728534*	1030 x 520	210

* Article approved according to the Nordic Ecolabel License 3023 0069

The way we work

We assess the environmental impact of our products using a full life cycle approach, beginning with product design, through to manufacturing, transport, use, and disposal.

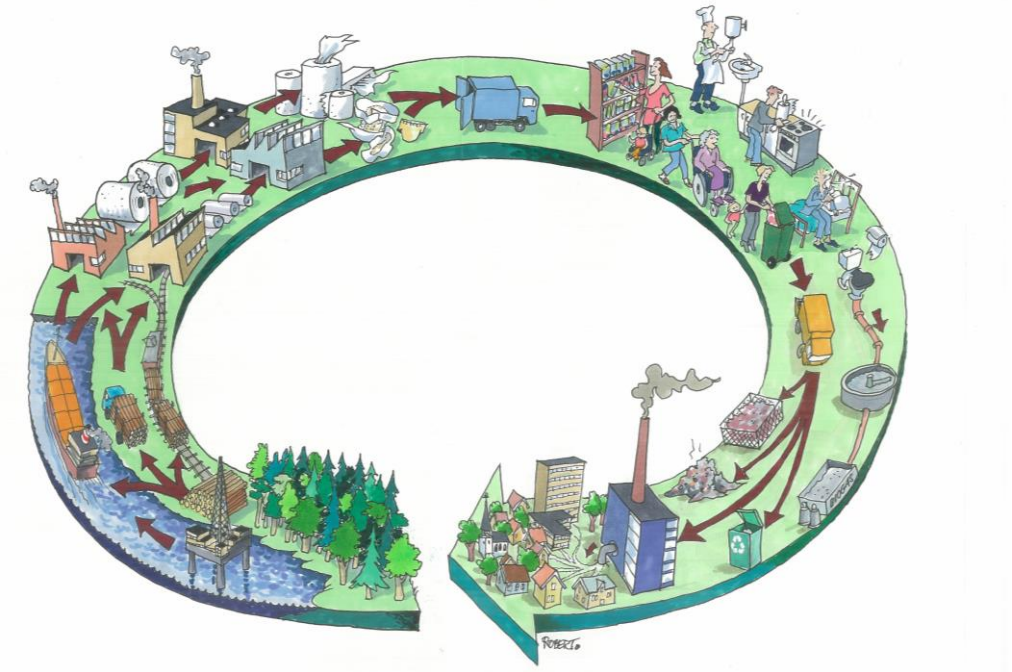
RESPONSIBLE SOURCING involves seeking high-quality raw materials that are safe from both a social and environmental perspective. The company's suppliers adhere to strict demands in Essity's Global Supplier Standard

RESOURCE EFFICIENT PRODUCTION is efficient use of resources, and the continuous reduction of energy and waste. Essity's objective is to develop products and services for a sustainable and circular society. The TENA production units are working with the management systems ISO 9001, ISO 14001 and OHSA 18001.

SUSTAINABLE SOLUTIONS are safe and environmentally sound innovations for hygiene products and services, based on customer and consumer insights, enabling us to meet their needs in daily life.

Environmental performance of our products

The information presented in an environmental product declaration is obtained from a Life Cycle Assessment (LCA), which is a study of the potential environmental impact of a product throughout its life cycle, including production of raw materials and products, use of the product, after use processes, and transports.



Environmental achievements

The following carbon footprint reductions for different TENA product groups have been achieved by working in a structured way to continually improve performance and efficiency.

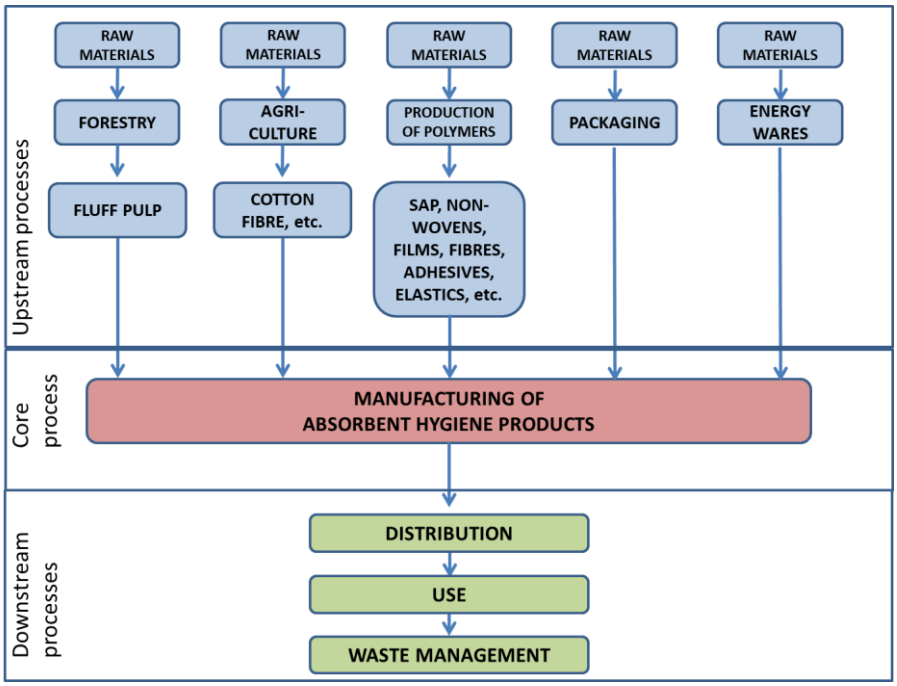
Product	Carbon footprint reduction Year 2008 – 2019
TENA Flex	- 18 %
TENA Female Liners & Pads	- 33 %
TENA Men	- 20 %
TENA Pants & Underwear	- 33 %
TENA Slip	- 20 %
TENA Comfort	- 19 %
TENA Bed	- 11 %

The LCA is conducted by Essity and verified by IVL, Swedish Environmental Research Institute Ltd, 2019. The carbon footprint reductions in Europe between 2008-2019 for TENA products are based on Life Cycle Assessments.

Production of TENA products

TENA products are made using high-quality materials, with strict requirements on product safety. The materials used are cellulose fibers from certified forestry and purpose-specific plastic materials. Production takes place at high-technology facilities with stringent hygienic and product safety standards that guarantee product quality and ensure users' safety and well-being.

Life cycle of an absorbent hygiene product



UPSTREAM PROCESSES
Extraction of natural resources, biomass production
Production of raw materials, energy wares, packaging materials
Transportation of input raw materials

CORE PROCESS
Manufacturing of TENA products

DOWNSTREAM PROCESSES
Transportation to customer
Product use
Waste management (including packaging)

LIFE CYCLE DESCRIPTION

The life cycle of a TENA product starts with the **UPSTREAM PROCESSES:** These include extraction of natural resources for the different raw materials as well as fuel production for both heat and power generation. The production of the raw materials, such as fluff pulp and superabsorbent polymers for the absorbent core, nonwovens for inner lining, and plastic films for the outer shell are part of the upstream processes. Transports of raw materials to the manufacturing

The **CORE PROCESS**, the actual manufacturing of the different TENA products, is a highly efficient converting process where the different materials are put together with high precision, which results in well performing products with an efficient use of resources thanks to innovative design and scientific solutions. The core process also includes handling of production waste.

In the **DOWNSTREAM PROCESSES,** the products are transported to the customer either in the homecare segment or for institutional users. The use phase as such has no environmental impact and gives therefore no contribution to the calculations. The final step is the waste management, also including handling of packaging waste.

The life cycle calculations for TENA products in this EPD are “cradle-to-grave”

Parameters in the declaration

FUNCTIONAL UNIT	The functional unit is according to PCR 2011:14, one product. In addition, the result is reported for a standard number of products used for one day, which is defined as four products.
CALCULATION OF GLOBAL WARMING POTENTIAL	Both emissions to and removals of CO_2 from the atmosphere, originating from both fossil and biogenic sources, are accounted for with a time interval of 100 years. Removal of carbon dioxide into growing trees and emissions of carbon dioxide corresponding to the content of biogenic carbon in the product is reported as CO_2 removals and biogenic CO_2 emissions, respectively.
WASTE MANAGEMENT SCENARIO	The waste management is calculated based on the sales of TENA products on the EU market, with an average waste handling for EU 27 (EUROSTAT 2019) giving a scenario with 55 % incineration and 45 % landfill. Impacts of incineration process with energy recovery are attributed 50 % to the product and 50 % to the energy recovery process. Benefits and credits of energy recovery are attributed 100 % to energy recovery (outside system boundaries). Biogenic CO_2 associated with waste management, is reported.
REPRESENTATIVE PRODUCT	A representative product is chosen when there are minor variations for the same product, such as technology and packaging. In the EPD, the representation of such different TENA products is done by a representative product, i.e. more than one product can be represented by the same calculation. The representative product always has the highest environmental impact, and hence a conservative approach is taken for the results. However, the variations within the different tiered products is not more than +/- 10 %, which follows the General Programme Instructions.
LIST OF MATERIALS	The materials listed in the composition table are combined into three groups in order to keep a level of confidentiality. A general list of content is also shown. For the life cycle calculations each product's particular specification have been used.
MANUFACTURING SITES	The TENA assortment is produced in the following factories; Falkenberg/Sweden, Gennep/Netherlands, Olawa/Poland, Gemerská Hôrka/Slovakia, Hoogezand/Netherlands, Kartepe/Turkey, Drumondville/Canada. All production sites are certified with management systems for quality, environment and health and safety, ISO 9001, ISO 14001 and OHSA 18001.
GEOGRAPHICAL SCOPE	This EPD covers TENA products sold in Europe.
VALIDITY OF DATA	The most important raw materials in the products, pulp and SAP, are mainly data from 2016 - 2018. Supplier data for raw materials like film and nonwoven as well as other, minor materials are mainly from 2009-2016. Manufacturing data are from 2019. Article specifications are from 2020, with a few specifications from 2019.
THOUSAND SEPARATOR AND DECIMAL MARK	SI style (French version): 1 234,56; i.e. comma is used as decimal mark. Number of value digits: 3
PACKAGING	The packaging consists of a consumer pack, a polyethylene plastic bag, and transport packaging of corrugated board boxes, i.e. made of renewable fibers. A few articles of TENA Men and TENA Female Pads and Liners have a consumer pack of carton from renewable fibers.

Additional environmental information

WOOD PULP: Essity works with a strict sourcing policy and only use fibers from known sources. The suppliers are expected to continually increase the proportion of certified fibers from recognized certification schemes.

Certifications: All fluff pulp suppliers for TENA products are FSC Chain-of-Custody certified and all pulp meet as a minimum the FSC controlled wood standard, in addition to other forest certification schemes that may be applied.

ECF pulp: All pulps used for TENA products are produced in Elementary Chlorine Free (ECF) processes.

PLASTIC MATERIALS: All the plastic materials used in TENA products for the European market do not intentionally contain lead, hexavalent chrome and related compounds, phthalates, acrylamide, antimony, brominated flame retardants, or organotin compounds, except in form of impurities. The additives used in plastics comply with the EC Regulations No. 1272/2008 and No. 1907/2006 (REACH), and their subsequent amendments.
Lotions, creams and/or deodorant substances are not added to the products. Inks or dyes that may be present are used for functional requirements and not for aesthetic-commercial purposes.

PACKAGING: Packaging meets the requirements of Annex F of part IV, Legislative Decree 152/2006. Corrugated board boxes for transport packaging are made of at least 80 % recycled fibers

Update of TENA EPDs

The TENA EPDs were first published in 2015, and the number of articles for the TENA product groups have increased over the years. All EPDs were valid until October 2020 and are now updated with new calculations for all articles. The new results show in general improved environmental performance of the products. This corresponds well with actual product development for the TENA assortment. There is usually less materials used for updated product specifications, because of new and better product design, and improved materials. Also improved production by suppliers and in TENA manufacturing sites adds to the results presented in the EPDs.

Environmental Product Declaration
Verification & Programme Information

The calculations for the environmental product declaration (EPD) are performed according to ISO 14040 and ISO 14044, ISO 14025.

EPD's within the same product category but from different programmes may not be comparable.

Product category rules (PCR): Absorbent Hygiene Products, 2011:14, version 3.01, UN CPC 32193 General Programme Instructions ver.3.01
Programme operator: EPD International AB, Box 210 60, SE-100 31 Stockholm, Sweden e-mail: info@environdec.com
Product Category Rules review was conducted by: The Technical Committee of the International EPD® System. Chair: Massimo Marino Contact via info@environdec.com
Independent verification of the declaration and data, according to ISO 14025:2006: ☐ EPD process certification ☒ EPD verification
Procedure for follow up of data during EPD validity involves third party verifier: ☐ Yes ☒ No
Third party verifier: Håkan Stripple at IVL Swedish Environmental Research Institute, P.O. Box 53021, SE-400 14 Gothenburg, Sweden Hakan.Stripple@IVL.se Accredited by : Håkan Stripple is an independent individual verifier in the International EPD® System.
Declaration owner: Essity Hygiene & Health AB SE-405 03 GÖTEBORG Anna-Karin Gunnergren, anna-karin.gunnergren@essity.com The EPD owner has the sole ownership, liability, and responsibility for the EPD

TENA Flex – environmental performance

A belted product with added absorbency that allows for easier, more ergonomic changing and with a comfortable, discreet fit. TENA Flex provides anatomically shaped protection with double absorption cores for leakage security.

Composition for TENA Flex (all articles) Specific data is used in all calculations.	
Pulp	47 - 50 %
Polymers	22 - 27 %
Plastics	25 - 30 %

Content declaration
Calcium carbonate
Cellulose pulp
Colorant
Glue
Ink
Polyester
Polyethylene
Polypropylene
Super absorbent
Synthetic elastics

1. TENA Flex Normal M 722360 & 722234 & 730369 &730082

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,119	0,020	0,042	0,181
	Biogenic	kg CO_2 eq.	-0,057	0,000	0,019	-0,038
	Land use and land transformation	kg CO_2 eq.	0,00009	0,00012	0,00008	0,00029
	Total	kg CO_2 eq.	0,062	0,020	0,062	0,144
Acidification potential (AP)		kg SO_2 eq.	5,54E-04	6,68E-05	2,69E-05	6,48E-04
Eutrophication potential (EP)		kg PO_4^3 eq.	1,18E-04	7,63E-06	2,19E-05	1,48E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,83E-04	3,43E-05	2,15E-05	4,39E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	9,58E-08	6,50E-09	1,82E-10	1,02E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	2,64E+00	2,49E-01	8,91E-02	2,98E+00
Water scarcity potential		m^3 eq.	4,01E+00	6,78E-03	4,73E-03	4,02E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,23E+00	1,43E-01	5,75E-03	1,38E+00
	Used as raw materials	MJ, net calorific value	5,93E-01	(N/A)	(N/A)	5,93E-01
	Total	MJ, net calorific value	1,82E+00	1,43E-01	5,75E-03	1,97E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	2,89E+00	3,23E-01	9,27E-02	3,31E+00
	Used as raw materials	MJ, net calorific value	9,67E-01	2,88E-04	4,45E-03	9,72E-01
	Total	MJ, net calorific value	3,86E+00	3,23E-01	9,71E-02	4,28E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	5,48E-03	1,56E-03	1,71E-04	7,22E-03

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	9,75E-07	2,45E-10	3,79E-09	9,79E-07
Non-hazardous waste disposed	kg	4,69E-04	3,77E-04	1,18E-02	1,27E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	3,26E-02	3,26E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

1. TENA Flex Normal M 722360 & 722234 & 730369 &730082

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,476	0,079	0,169	0,724
	Biogenic	kg CO_2 eq.	-0,229	0,000	0,078	-0,151
	Land use and land transformation	kg CO_2 eq.	0,00038	0,00048	0,00031	0,00117
	Total	kg CO_2 eq.	0,248	0,080	0,247	0,575
Acidification potential (AP)		kg SO_2 eq.	2,22E-03	2,67E-04	1,08E-04	2,59E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	4,73E-04	3,05E-05	8,77E-05	5,91E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	1,53E-03	1,37E-04	8,61E-05	1,76E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	3,83E-07	2,60E-08	7,29E-10	4,10E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	1,06E+01	9,95E-01	3,56E-01	1,19E+01
Water scarcoty potential		m^3 eq.	1,60E+01	2,71E-02	1,89E-02	1,61E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	4,90E+00	5,73E-01	2,30E-02	5,50E+00
	Used as raw materials	MJ, net calorific value	2,37E+00	(N/A)	(N/A)	2,37E+00
	Total	MJ, net calorific value	7,28E+00	5,73E-01	2,30E-02	7,87E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	1,16E+01	1,29E+00	3,71E-01	1,32E+01
	Used as raw materials	MJ, net calorific value	3,87E+00	1,15E-03	1,78E-02	3,89E+00
	Total	MJ, net calorific value	1,54E+01	1,29E+00	3,89E-01	1,71E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	2,19E-02	6,26E-03	6,83E-04	2,89E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	3,90E-06	9,78E-10	1,52E-08	3,92E-06
Non-hazardous waste disposed	kg	1,88E-03	1,51E-03	4,72E-02	5,06E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	1,31E-01	1,31E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

2. TENA Flex Normal L 722393 & 722334 & 722514 & 722394

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,136	0,023	0,048	0,207
	Biogenic	kg CO_2 eq.	-0,064	0,000	0,022	-0,042
	Land use and land transformation	kg CO_2 eq.	0,00011	0,00014	0,00009	0,00033
	Total	kg CO_2 eq.	0,073	0,023	0,070	0,166
Acidification potential (AP)		kg SO_2 eq.	6,30E-04	7,65E-05	3,05E-05	7,37E-04
Eutrophication potential (EP)		kg PO_4^3 eq.	1,34E-04	8,74E-06	2,47E-05	1,68E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	4,36E-04	3,93E-05	2,43E-05	5,00E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,06E-07	7,44E-09	1,70E-10	1,14E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	3,06E+00	2,85E-01	1,01E-01	3,45E+00
Water scarcity potential		m^3 eq.	4,67E+00	7,76E-03	5,45E-03	4,69E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	1,36E+00	1,64E-01	6,51E-03	1,53E+00
	Used as raw materials	MJ, net calorofic value	6,59E-01	(N/A)	(N/A)	6,59E-01
	Total	MJ, net calorofic value	2,02E+00	1,64E-01	6,51E-03	2,19E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	3,35E+00	3,69E-01	1,05E-01	3,82E+00
	Used as raw materials	MJ, net calorofic value	1,14E+00	3,30E-04	4,98E-03	1,15E+00
	Total	MJ, net calorofic value	4,49E+00	3,70E-01	1,10E-01	4,97E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	6,27E-03	1,79E-03	1,97E-04	8,26E-03

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,18E-06	2,80E-10	4,27E-09	1,18E-06
Non-hazardous waste disposed	kg	5,20E-04	4,31E-04	1,38E-02	1,47E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	3,70E-02	3,70E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

2. TENA Flex Normal L 722393 & 722334 & 722514 & 722394

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,545	0,091	0,193	0,829
	Biogenic	kg CO_2 eq.	-0,254	0,000	0,087	-0,167
	Land use and land transformation	kg CO_2 eq.	0,00043	0,00055	0,00035	0,00133
	Total	kg CO_2 eq.	0,291	0,091	0,280	0,663
Acidification potential (AP)		kg SO_2 eq.	2,52E-03	3,06E-04	1,22E-04	2,95E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	5,36E-04	3,50E-05	9,88E-05	6,70E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	1,74E-03	1,57E-04	9,72E-05	2,00E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	4,24E-07	2,98E-08	6,80E-10	4,55E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	1,22E+01	1,14E+00	4,03E-01	1,38E+01
Water scarcoty potential		m^3 eq.	1,87E+01	3,11E-02	2,18E-02	1,88E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	5,45E+00	6,57E-01	2,61E-02	6,13E+00
	Used as raw materials	MJ, net calorific value	2,64E+00	(N/A)	(N/A)	2,64E+00
	Total	MJ, net calorific value	8,08E+00	6,57E-01	2,61E-02	8,77E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	1,34E+01	1,48E+00	4,20E-01	1,53E+01
	Used as raw materials	MJ, net calorific value	4,56E+00	1,32E-03	1,99E-02	4,58E+00
	Total	MJ, net calorific value	1,80E+01	1,48E+00	4,39E-01	1,99E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	2,51E-02	7,17E-03	7,86E-04	3,30E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	4,72E-06	1,12E-09	1,71E-08	4,74E-06
Non-hazardous waste disposed	kg	2,08E-03	1,73E-03	5,52E-02	5,90E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	1,48E-01	1,48E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

3. TENA Flex Plus S 720513 & 720514 & 723130 & 730439 & 730437 & 730438

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,121	0,021	0,042	0,184
	Biogenic	kg CO_2 eq.	-0,057	0,000	0,019	-0,038
	Land use and land transformation	kg CO_2 eq.	0,00009	0,00013	0,00008	0,00030
	Total	kg CO_2 eq.	0,064	0,021	0,062	0,147
Acidification potential (AP)		kg SO_2 eq.	5,55E-04	6,97E-05	2,82E-05	6,52E-04
Eutrophication potential (EP)		kg PO_4^3 eq.	1,26E-04	7,96E-06	2,22E-05	1,56E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,99E-04	3,58E-05	2,20E-05	4,57E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,21E-07	6,77E-09	3,57E-10	1,28E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	2,66E+00	2,59E-01	9,36E-02	3,01E+00
Water scarcity potential		m^3 eq.	3,62E+00	7,07E-03	5,21E-03	3,63E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,22E+00	1,49E-01	6,07E-03	1,38E+00
	Used as raw materials	MJ, net calorific value	5,92E-01	(N/A)	(N/A)	5,92E-01
	Total	MJ, net calorific value	1,81E+00	1,49E-01	6,07E-03	1,97E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	2,90E+00	3,36E-01	9,73E-02	3,33E+00
	Used as raw materials	MJ, net calorific value	8,16E-01	3,00E-04	4,40E-03	8,21E-01
	Total	MJ, net calorific value	3,71E+00	3,37E-01	1,02E-01	4,15E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	5,82E-03	1,63E-03	1,88E-04	7,64E-03

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	8,56E-07	2,55E-10	3,94E-09	8,60E-07
Non-hazardous waste disposed	kg	4,83E-04	3,93E-04	1,36E-02	1,44E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	3,44E-02	3,44E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

3. TENA Flex Plus S 720513 & 720514 & 723130 & 730439 & 730437 & 730438

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,484	0,083	0,170	0,736
	Biogenic	kg CO_2 eq.	-0,228	0,000	0,077	-0,151
	Land use and land transformation	kg CO_2 eq.	0,00037	0,00050	0,00032	0,00120
	Total	kg CO_2 eq.	0,257	0,083	0,247	0,586
Acidification potential (AP)		kg SO_2 eq.	2,22E-03	2,79E-04	1,13E-04	2,61E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	5,04E-04	3,18E-05	8,89E-05	6,24E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	1,60E-03	1,43E-04	8,80E-05	1,83E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	4,83E-07	2,71E-08	1,43E-09	5,11E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	1,06E+01	1,04E+00	3,74E-01	1,20E+01
Water scarcoty potential		m^3 eq.	1,45E+01	2,83E-02	2,08E-02	1,45E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	4,88E+00	5,98E-01	2,43E-02	5,51E+00
	Used as raw materials	MJ, net calorific value	2,37E+00	(N/A)	(N/A)	2,37E+00
	Total	MJ, net calorific value	7,25E+00	5,98E-01	2,43E-02	7,87E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	1,16E+01	1,35E+00	3,89E-01	1,33E+01
	Used as raw materials	MJ, net calorific value	3,26E+00	1,20E-03	1,76E-02	3,28E+00
	Total	MJ, net calorific value	1,49E+01	1,35E+00	4,07E-01	1,66E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	2,33E-02	6,53E-03	7,50E-04	3,06E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	3,42E-06	1,02E-09	1,58E-08	3,44E-06
Non-hazardous waste disposed	kg	1,93E-03	1,57E-03	5,42E-02	5,77E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	1,38E-01	1,38E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

4. TENA Flex Plus M 720515 & 720516 & 723230 & 730432 730430 & 730431

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,141	0,024	0,049	0,215
	Biogenic	kg CO_2 eq.	-0,065	0,000	0,022	-0,043
	Land use and land transformation	kg CO_2 eq.	0,00011	0,00015	0,00009	0,00035
	Total	kg CO_2 eq.	0,076	0,024	0,071	0,172
Acidification potential (AP)		kg SO_2 eq.	6,43E-04	8,12E-05	3,27E-05	7,57E-04
Eutrophication potential (EP)		kg PO_4^3 eq.	1,45E-04	9,28E-06	2,56E-05	1,80E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	4,62E-04	4,17E-05	2,54E-05	5,30E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,36E-07	7,89E-09	3,91E-10	1,44E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,13E+00	3,02E-01	1,09E-01	3,54E+00
Water scarcity potential		m^3 eq.	4,33E+00	8,24E-03	6,09E-03	4,34E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,40E+00	1,74E-01	7,06E-03	1,58E+00
	Used as raw materials	MJ, net calorific value	6,76E-01	(N/A)	(N/A)	6,76E-01
	Total	MJ, net calorific value	2,07E+00	1,74E-01	7,06E-03	2,25E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	3,42E+00	3,92E-01	1,13E-01	3,92E+00
	Used as raw materials	MJ, net calorific value	9,84E-01	3,50E-04	5,04E-03	9,89E-01
	Total	MJ, net calorific value	4,40E+00	3,92E-01	1,18E-01	4,91E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	6,75E-03	1,90E-03	2,19E-04	8,87E-03

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,03E-06	2,97E-10	4,57E-09	1,03E-06
Non-hazardous waste disposed	kg	5,55E-04	4,58E-04	1,60E-02	1,70E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	(N/A)	(N/A)
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

4. TENA Flex Plus M 720515 & 720516 & 723230 & 730432 730430 & 730431

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,565	0,097	0,198	0,859
	Biogenic	kg CO_2 eq.	-0,260	0,000	0,088	-0,172
	Land use and land transformation	kg CO_2 eq.	0,00043	0,00058	0,00038	0,00139
	Total	kg CO_2 eq.	0,305	0,097	0,286	0,688
Acidification potential (AP)		kg SO_2 eq.	2,57E-03	3,25E-04	1,31E-04	3,03E-03
Eutrophication potential (EP)		kg PO_4^{3} eq.	5,82E-04	3,71E-05	1,03E-04	7,22E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	1,85E-03	1,67E-04	1,02E-04	2,12E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	5,43E-07	3,16E-08	1,56E-09	5,76E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	1,25E+01	1,21E+00	4,35E-01	1,42E+01
Water scarcoty potential		m^3 eq.	1,73E+01	3,30E-02	2,43E-02	1,74E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	5,58E+00	6,97E-01	2,82E-02	6,31E+00
	Used as raw materials	MJ, net calorofic value	2,70E+00	(N/A)	(N/A)	2,70E+00
	Total	MJ, net calorofic value	8,29E+00	6,97E-01	2,82E-02	9,01E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	1,37E+01	1,57E+00	4,52E-01	1,57E+01
	Used as raw materials	MJ, net calorofic value	3,93E+00	1,40E-03	2,02E-02	3,96E+00
	Total	MJ, net calorofic value	1,76E+01	1,57E+00	4,72E-01	1,96E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	2,70E-02	7,61E-03	8,77E-04	3,55E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	4,12E-06	1,19E-09	1,83E-08	4,14E-06
Non-hazardous waste disposed	kg	2,22E-03	1,83E-03	6,39E-02	6,79E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	(N/A)	(N/A)
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

5. TENA Flex Plus L 720517 & 720518 & 723330 & 728694 & 723333 & 728599

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,166	0,028	0,057	0,252
	Biogenic	kg CO_2 eq.	-0,071	0,000	0,024	-0,047
	Land use and land transformation	kg CO_2 eq.	0,00012	0,00017	0,00011	0,00040
	Total	kg CO_2 eq.	0,095	0,028	0,082	0,205
Acidification potential (AP)		kg SO_2 eq.	7,40E-04	9,51E-05	3,78E-05	8,73E-04
Eutrophication potential (EP)		kg PO_4^3 eq.	1,69E-04	1,09E-05	2,89E-05	2,09E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	5,39E-04	4,89E-05	2,89E-05	6,17E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,61E-07	9,24E-09	4,44E-10	1,71E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,74E+00	3,54E-01	1,26E-01	4,22E+00
Water scarcity potential		m^3 eq.	5,06E+00	9,64E-03	7,32E-03	5,08E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,54E+00	2,04E-01	8,23E-03	1,75E+00
	Used as raw materials	MJ, net calorific value	7,42E-01	(N/A)	(N/A)	7,42E-01
	Total	MJ, net calorific value	2,28E+00	2,04E-01	8,23E-03	2,49E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	4,07E+00	4,59E-01	1,31E-01	4,66E+00
	Used as raw materials	MJ, net calorific value	1,16E+00	4,10E-04	5,57E-03	1,17E+00
	Total	MJ, net calorific value	5,23E+00	4,59E-01	1,37E-01	5,83E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	7,97E-03	2,23E-03	2,63E-04	1,05E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,26E-06	3,48E-10	5,25E-09	1,26E-06
Non-hazardous waste disposed	kg	6,27E-04	5,36E-04	1,98E-02	2,10E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	4,63E-02	4,63E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

5. TENA Flex Plus L 720517 & 720518 & 723330 & 728694 & 723333 & 728599

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,665	0,113	0,229	1,007
	Biogenic	kg CO_2 eq.	-0,286	0,000	0,097	-0,189
	Land use and land transformation	kg CO_2 eq.	0,00050	0,00068	0,00043	0,00161
	Total	kg CO_2 eq.	0,380	0,113	0,326	0,820
Acidification potential (AP)		kg SO_2 eq.	2,96E-03	3,80E-04	1,51E-04	3,49E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	6,78E-04	4,34E-05	1,16E-04	8,37E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	2,16E-03	1,95E-04	1,16E-04	2,47E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	6,45E-07	3,70E-08	1,78E-09	6,84E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	1,49E+01	1,42E+00	5,05E-01	1,69E+01
Water scarcoty potential		m^3 eq.	2,03E+01	3,86E-02	2,93E-02	2,03E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	6,15E+00	8,16E-01	3,29E-02	6,99E+00
	Used as raw materials	MJ, net calorific value	2,97E+00	(N/A)	(N/A)	2,97E+00
	Total	MJ, net calorific value	9,11E+00	8,16E-01	3,29E-02	9,96E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	1,63E+01	1,84E+00	5,24E-01	1,86E+01
	Used as raw materials	MJ, net calorific value	4,64E+00	1,64E-03	2,23E-02	4,66E+00
	Total	MJ, net calorific value	2,09E+01	1,84E+00	5,47E-01	2,33E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	3,19E-02	8,90E-03	1,05E-03	4,18E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	5,03E-06	1,39E-09	2,10E-08	5,05E-06
Non-hazardous waste disposed	kg	2,51E-03	2,14E-03	7,92E-02	8,39E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	1,85E-01	1,85E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

6. TENA Flex Plus XL 720519 & 723430 & 724950 & 724960

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,215	0,037	0,076	0,328
	Biogenic	kg CO_2 eq.	-0,100	0,000	0,034	-0,066
	Land use and land transformation	kg CO_2 eq.	0,00017	0,00023	0,00014	0,00053
	Total	kg CO_2 eq.	0,115	0,038	0,110	0,263
Acidification potential (AP)		kg SO_2 eq.	9,83E-04	1,26E-04	4,96E-05	1,16E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	2,19E-04	1,44E-05	3,93E-05	2,73E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	7,02E-04	6,47E-05	3,89E-05	8,06E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,86E-07	1,22E-08	4,62E-10	1,99E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	4,86E+00	4,69E-01	1,64E-01	5,49E+00
Water scarcity potential		m^3 eq.	7,07E+00	1,28E-02	9,28E-03	7,09E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	2,12E+00	2,70E-01	1,06E-02	2,40E+00
	Used as raw materials	MJ, net calorific value	1,04E+00	(N/A)	(N/A)	1,04E+00
	Total	MJ, net calorific value	3,15E+00	2,70E-01	1,06E-02	3,43E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	5,30E+00	6,08E-01	1,70E-01	6,08E+00
	Used as raw materials	MJ, net calorific value	1,64E+00	5,42E-04	7,78E-03	1,65E+00
	Total	MJ, net calorific value	6,95E+00	6,08E-01	1,78E-01	7,73E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	1,02E-02	2,95E-03	3,34E-04	1,34E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,81E-06	4,61E-10	6,84E-09	1,82E-06
Non-hazardous waste disposed	kg	8,03E-04	7,10E-04	2,42E-02	2,57E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	6,07E-02	6,07E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

6. TENA Flex Plus XL 720519 & 723430 & 724950 & 724960

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,859	0,150	0,305	1,314
	Biogenic	kg CO_2 eq.	-0,399	0,000	0,136	-0,264
	Land use and land transformation	kg CO_2 eq.	0,00066	0,00091	0,00056	0,00213
	Total	kg CO_2 eq.	0,461	0,150	0,441	1,052
Acidification potential (AP)		kg SO_2 eq.	3,93E-03	5,04E-04	1,98E-04	4,63E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	8,76E-04	5,75E-05	1,57E-04	1,09E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	2,81E-03	2,59E-04	1,56E-04	3,22E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	7,44E-07	4,90E-08	1,85E-09	7,94E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	1,94E+01	1,88E+00	6,54E-01	2,20E+01
Water scarcoty potential		m^3 eq.	2,83E+01	5,11E-02	3,71E-02	2,84E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	8,48E+00	1,08E+00	4,25E-02	9,60E+00
	Used as raw materials	MJ, net calorific value	4,14E+00	(N/A)	(N/A)	4,14E+00
	Total	MJ, net calorific value	1,26E+01	1,08E+00	4,25E-02	1,37E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	2,12E+01	2,43E+00	6,81E-01	2,43E+01
	Used as raw materials	MJ, net calorific value	6,57E+00	2,17E-03	3,11E-02	6,60E+00
	Total	MJ, net calorific value	2,78E+01	2,43E+00	7,12E-01	3,09E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	4,07E-02	1,18E-02	1,33E-03	5,38E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	7,23E-06	1,84E-09	2,74E-08	7,26E-06
Non-hazardous waste disposed	kg	3,21E-03	2,84E-03	9,69E-02	1,03E-01
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	2,43E-01	2,43E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

7. TENA Flex Super S 724857 & 724900 & 724130 & 730445 & 730446 & 730440

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,136	0,024	0,048	0,209
	Biogenic	kg CO_2 eq.	-0,068	0,000	0,023	-0,045
	Land use and land transformation	kg CO_2 eq.	0,00010	0,00015	0,00009	0,00034
	Total	kg CO_2 eq.	0,069	0,024	0,071	0,164
Acidification potential (AP)		kg SO_2 eq.	6,31E-04	8,21E-05	3,29E-05	7,46E-04
Eutrophication potential (EP)		kg PO_4^3 eq.	1,47E-04	9,37E-06	2,61E-05	1,83E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	4,62E-04	4,22E-05	2,58E-05	5,30E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,48E-07	7,98E-09	5,18E-10	1,56E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	2,97E+00	3,06E-01	1,08E-01	3,39E+00
Water scarcity potential		m^3 eq.	3,89E+00	8,33E-03	6,15E-03	3,91E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,43E+00	1,76E-01	7,05E-03	1,62E+00
	Used as raw materials	MJ, net calorific value	7,04E-01	(N/A)	(N/A)	7,04E-01
	Total	MJ, net calorific value	2,14E+00	1,76E-01	7,05E-03	2,32E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	3,24E+00	3,96E-01	1,13E-01	3,75E+00
	Used as raw materials	MJ, net calorific value	8,21E-01	3,54E-04	5,19E-03	8,27E-01
	Total	MJ, net calorific value	4,06E+00	3,97E-01	1,18E-01	4,57E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	6,72E-03	1,92E-03	2,21E-04	8,87E-03

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	8,88E-07	3,00E-10	4,54E-09	8,93E-07
Non-hazardous waste disposed	kg	5,60E-04	4,63E-04	1,60E-02	1,70E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	4,06E-02	4,06E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

7. TENA Flex Super S 724857 & 724900 & 724130 & 730445 & 730446 & 730440

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,546	0,098	0,194	0,837
	Biogenic	kg CO_2 eq.	-0,271	0,000	0,091	-0,181
	Land use and land transformation	kg CO_2 eq.	0,00042	0,00059	0,00037	0,00138
	Total	kg CO_2 eq.	0,275	0,098	0,285	0,658
Acidification potential (AP)		kg SO_2 eq.	2,52E-03	3,28E-04	1,32E-04	2,98E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	5,90E-04	3,75E-05	1,05E-04	7,32E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	1,85E-03	1,69E-04	1,03E-04	2,12E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	5,92E-07	3,19E-08	2,07E-09	6,26E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	1,19E+01	1,22E+00	4,34E-01	1,35E+01
Water scarcoty potential		m^3 eq.	1,56E+01	3,33E-02	2,46E-02	1,56E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	5,74E+00	7,04E-01	2,82E-02	6,47E+00
	Used as raw materials	MJ, net calorofic value	2,81E+00	(N/A)	(N/A)	2,81E+00
	Total	MJ, net calorofic value	8,55E+00	7,04E-01	2,82E-02	9,28E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	1,29E+01	1,58E+00	4,51E-01	1,50E+01
	Used as raw materials	MJ, net calorofic value	3,29E+00	1,41E-03	2,08E-02	3,31E+00
	Total	MJ, net calorofic value	1,62E+01	1,59E+00	4,72E-01	1,83E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	2,69E-02	7,69E-03	8,85E-04	3,55E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	3,55E-06	1,20E-09	1,81E-08	3,57E-06
Non-hazardous waste disposed	kg	2,24E-03	1,85E-03	6,40E-02	6,80E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	1,62E-01	1,62E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

8. TENA Flex Super M 724901 & 724910 & 724230 & 730457 & 730458 & 730456

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,157	0,028	0,055	0,240
	Biogenic	kg CO_2 eq.	-0,076	0,000	0,025	-0,050
	Land use and land transformation	kg CO_2 eq.	0,00012	0,00017	0,00011	0,00039
	Total	kg CO_2 eq.	0,082	0,028	0,081	0,190
Acidification potential (AP)		kg SO_2 eq.	7,19E-04	9,35E-05	3,74E-05	8,50E-04
Eutrophication potential (EP)		kg PO_4^3 eq.	1,67E-04	1,07E-05	2,94E-05	2,07E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	5,26E-04	4,81E-05	2,92E-05	6,03E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,63E-07	9,09E-09	5,53E-10	1,72E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,46E+00	3,48E-01	1,24E-01	3,93E+00
Water scarcity potential		m^3 eq.	4,62E+00	9,49E-03	7,04E-03	4,64E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,60E+00	2,01E-01	8,04E-03	1,81E+00
	Used as raw materials	MJ, net calorific value	7,84E-01	(N/A)	(N/A)	7,84E-01
	Total	MJ, net calorific value	2,39E+00	2,01E-01	8,04E-03	2,59E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	3,77E+00	4,52E-01	1,28E-01	4,35E+00
	Used as raw materials	MJ, net calorific value	9,96E-01	4,03E-04	5,81E-03	1,00E+00
	Total	MJ, net calorific value	4,76E+00	4,52E-01	1,34E-01	5,35E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	7,66E-03	2,19E-03	2,53E-04	1,01E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,06E-06	3,42E-10	5,16E-09	1,07E-06
Non-hazardous waste disposed	kg	6,31E-04	5,27E-04	1,85E-02	1,96E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	4,60E-02	4,60E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

8. TENA Flex Super M 724901 & 724910 & 724230 & 730457 & 730458 & 730456

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,628	0,111	0,222	0,961
	Biogenic	kg CO_2 eq.	-0,302	0,000	0,101	-0,201
	Land use and land transformation	kg CO_2 eq.	0,00048	0,00067	0,00042	0,00158
	Total	kg CO_2 eq.	0,327	0,112	0,324	0,762
Acidification potential (AP)		kg SO_2 eq.	2,88E-03	3,74E-04	1,50E-04	3,40E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	6,68E-04	4,27E-05	1,18E-04	8,28E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	2,10E-03	1,92E-04	1,17E-04	2,41E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	6,51E-07	3,64E-08	2,21E-09	6,90E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	1,38E+01	1,39E+00	4,94E-01	1,57E+01
Water scarcoty potential		m^3 eq.	1,85E+01	3,80E-02	2,82E-02	1,86E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	6,41E+00	8,03E-01	3,21E-02	7,24E+00
	Used as raw materials	MJ, net calorofic value	3,13E+00	(N/A)	(N/A)	3,13E+00
	Total	MJ, net calorofic value	9,54E+00	8,03E-01	3,21E-02	1,04E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	1,51E+01	1,81E+00	5,14E-01	1,74E+01
	Used as raw materials	MJ, net calorofic value	3,98E+00	1,61E-03	2,32E-02	4,01E+00
	Total	MJ, net calorofic value	1,90E+01	1,81E+00	5,37E-01	2,14E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	3,06E-02	8,76E-03	1,01E-03	4,04E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	4,24E-06	1,37E-09	2,07E-08	4,27E-06
Non-hazardous waste disposed	kg	2,52E-03	2,11E-03	7,39E-02	7,85E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	1,84E-01	1,84E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

9. TENA Flex Super L 724920 & 724930 & 724330 & 728749 & 729281 & 728695

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,178	0,031	0,062	0,271
	Biogenic	kg CO_2 eq.	-0,082	0,000	0,028	-0,054
	Land use and land transformation	kg CO_2 eq.	0,00013	0,00019	0,00012	0,00044
	Total	kg CO_2 eq.	0,096	0,031	0,090	0,217
Acidification potential (AP)		kg SO_2 eq.	8,03E-04	1,05E-04	4,16E-05	9,50E-04
Eutrophication potential (EP)		kg PO_4^3 eq.	1,86E-04	1,20E-05	3,24E-05	2,30E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	5,88E-04	5,39E-05	3,22E-05	6,74E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,79E-07	1,02E-08	5,70E-10	1,90E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,96E+00	3,91E-01	1,38E-01	4,49E+00
Water scarcity potential		m^3 eq.	5,33E+00	1,06E-02	7,98E-03	5,34E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,74E+00	2,25E-01	8,97E-03	1,97E+00
	Used as raw materials	MJ, net calorific value	8,47E-01	(N/A)	(N/A)	8,47E-01
	Total	MJ, net calorific value	2,58E+00	2,25E-01	8,97E-03	2,82E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	4,31E+00	5,07E-01	1,43E-01	4,96E+00
	Used as raw materials	MJ, net calorific value	1,17E+00	4,52E-04	6,32E-03	1,18E+00
	Total	MJ, net calorific value	5,48E+00	5,07E-01	1,49E-01	6,14E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	8,63E-03	2,46E-03	2,87E-04	1,14E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,28E-06	3,84E-10	5,72E-09	1,28E-06
Non-hazardous waste disposed	kg	6,90E-04	5,91E-04	2,13E-02	2,25E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	5,12E-02	5,12E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

9. TENA Flex Super L 724920 & 724930 & 724330 & 728749 & 729281 & 728695

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,711	0,125	0,249	1,084
	Biogenic	kg CO_2 eq.	-0,327	0,000	0,110	-0,217
	Land use and land transformation	kg CO_2 eq.	0,00053	0,00076	0,00047	0,00176
	Total	kg CO_2 eq.	0,384	0,125	0,359	0,869
Acidification potential (AP)		kg SO_2 eq.	3,21E-03	4,20E-04	1,66E-04	3,80E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	7,44E-04	4,80E-05	1,30E-04	9,22E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	2,35E-03	2,16E-04	1,29E-04	2,70E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	7,17E-07	4,08E-08	2,28E-09	7,60E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	1,58E+01	1,56E+00	5,51E-01	1,79E+01
Water scarcoty potential		m^3 eq.	2,13E+01	4,26E-02	3,19E-02	2,14E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	6,95E+00	9,00E-01	3,59E-02	7,88E+00
	Used as raw materials	MJ, net calorific value	3,39E+00	(N/A)	(N/A)	3,39E+00
	Total	MJ, net calorific value	1,03E+01	9,00E-01	3,59E-02	1,13E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	1,72E+01	2,03E+00	5,72E-01	1,98E+01
	Used as raw materials	MJ, net calorific value	4,69E+00	1,81E-03	2,53E-02	4,72E+00
	Total	MJ, net calorific value	2,19E+01	2,03E+00	5,98E-01	2,46E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	3,45E-02	9,83E-03	1,15E-03	4,55E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	5,10E-06	1,54E-09	2,29E-08	5,12E-06
Non-hazardous waste disposed	kg	2,76E-03	2,37E-03	8,50E-02	9,01E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	2,05E-01	2,05E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

10. TENA Flex Super XL 724940 & 724430 & 724980 & 724970

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,236	0,042	0,084	0,362
	Biogenic	kg CO_2 eq.	-0,113	0,000	0,038	-0,075
	Land use and land transformation	kg CO_2 eq.	0,00018	0,00026	0,00016	0,00059
	Total	kg CO_2 eq.	0,123	0,042	0,122	0,288
Acidification potential (AP)		kg SO_2 eq.	1,08E-03	1,42E-04	5,57E-05	1,28E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	2,47E-04	1,62E-05	4,42E-05	3,08E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	7,86E-04	7,30E-05	4,38E-05	9,03E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	2,23E-07	1,38E-08	6,79E-10	2,38E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	5,29E+00	5,29E-01	1,83E-01	6,00E+00
Water scarcity potential		m^3 eq.	7,42E+00	1,44E-02	1,06E-02	7,44E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	2,38E+00	3,05E-01	1,19E-02	2,70E+00
	Used as raw materials	MJ, net calorific value	1,17E+00	(N/A)	(N/A)	1,17E+00
	Total	MJ, net calorific value	3,55E+00	3,05E-01	1,19E-02	3,87E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	5,77E+00	6,86E-01	1,91E-01	6,65E+00
	Used as raw materials	MJ, net calorific value	1,65E+00	6,12E-04	8,74E-03	1,66E+00
	Total	MJ, net calorific value	7,42E+00	6,87E-01	1,99E-01	8,31E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	1,14E-02	3,33E-03	3,80E-04	1,51E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,85E-06	5,20E-10	7,62E-09	1,86E-06
Non-hazardous waste disposed	kg	9,02E-04	8,01E-04	2,77E-02	2,94E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	(N/A)	(N/A)
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

10. TENA Flex Super XL 724940 & 724430 & 724980 & 724970

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,943	0,169	0,336	1,448
	Biogenic	kg CO_2 eq.	-0,452	0,000	0,152	-0,300
	Land use and land transformation	kg CO_2 eq.	0,00072	0,00102	0,00063	0,00237
	Total	kg CO_2 eq.	0,492	0,170	0,489	1,151
Acidification potential (AP)		kg SO_2 eq.	4,33E-03	5,68E-04	2,23E-04	5,12E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	9,89E-04	6,49E-05	1,77E-04	1,23E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,14E-03	2,92E-04	1,75E-04	3,61E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	8,93E-07	5,52E-08	2,72E-09	9,51E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	2,12E+01	2,12E+00	7,33E-01	2,40E+01
Water scarcoty potential		m^3 eq.	2,97E+01	5,77E-02	4,23E-02	2,98E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	9,51E+00	1,22E+00	4,77E-02	1,08E+01
	Used as raw materials	MJ, net calorific value	4,68E+00	(N/A)	(N/A)	4,68E+00
	Total	MJ, net calorific value	1,42E+01	1,22E+00	4,77E-02	1,55E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	2,31E+01	2,74E+00	7,62E-01	2,66E+01
	Used as raw materials	MJ, net calorific value	6,60E+00	2,45E-03	3,49E-02	6,64E+00
	Total	MJ, net calorific value	2,97E+01	2,75E+00	7,97E-01	3,32E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	4,56E-02	1,33E-02	1,52E-03	6,04E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	7,42E-06	2,08E-09	3,05E-08	7,45E-06
Non-hazardous waste disposed	kg	3,61E-03	3,20E-03	1,11E-01	1,18E-01
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	(N/A)	(N/A)
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

11. TENA Flex Maxi S 725228 & 725122 & 730453 & 730447

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,177	0,033	0,064	0,274
	Biogenic	kg CO_2 eq.	-0,093	0,000	0,031	-0,062
	Land use and land transformation	kg CO_2 eq.	0,00013	0,00020	0,00013	0,00046
	Total	kg CO_2 eq.	0,084	0,033	0,094	0,212
Acidification potential (AP)		kg SO_2 eq.	8,21E-04	1,12E-04	4,50E-05	9,78E-04
Eutrophication potential (EP)		kg PO_4^3 eq.	2,02E-04	1,27E-05	3,56E-05	2,50E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	6,20E-04	5,73E-05	3,52E-05	7,12E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	2,17E-07	1,08E-08	9,29E-10	2,28E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,80E+00	4,15E-01	1,48E-01	4,36E+00
Water scarcity potential		m^3 eq.	4,61E+00	1,13E-02	8,51E-03	4,63E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,94E+00	2,39E-01	9,62E-03	2,19E+00
	Used as raw materials	MJ, net calorific value	9,59E-01	(N/A)	(N/A)	9,59E-01
	Total	MJ, net calorific value	2,90E+00	2,39E-01	9,62E-03	3,15E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	4,13E+00	5,38E-01	1,54E-01	4,82E+00
	Used as raw materials	MJ, net calorific value	8,50E-01	4,81E-04	7,05E-03	8,58E-01
	Total	MJ, net calorific value	4,98E+00	5,39E-01	1,61E-01	5,68E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	9,01E-03	2,61E-03	3,06E-04	1,19E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	9,68E-07	4,08E-10	6,17E-09	9,74E-07
Non-hazardous waste disposed	kg	7,47E-04	6,29E-04	2,22E-02	2,35E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	5,54E-02	5,54E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

11. TENA Flex Maxi S 725228 & 725122 & 730453 & 730447

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,708	0,133	0,254	1,094
	Biogenic	kg CO_2 eq.	-0,370	0,000	0,123	-0,247
	Land use and land transformation	kg CO_2 eq.	0,00053	0,00080	0,00051	0,00184
	Total	kg CO_2 eq.	0,338	0,133	0,378	0,849
Acidification potential (AP)		kg SO_2 eq.	3,28E-03	4,46E-04	1,80E-04	3,91E-03
Eutrophication potential (EP)		kg PO_4^{3} eq.	8,07E-04	5,10E-05	1,42E-04	1,00E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	2,48E-03	2,29E-04	1,41E-04	2,85E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	8,66E-07	4,34E-08	3,72E-09	9,13E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	1,52E+01	1,66E+00	5,91E-01	1,75E+01
Water scarcoty potential		m^3 eq.	1,84E+01	4,53E-02	3,40E-02	1,85E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	7,76E+00	9,57E-01	3,85E-02	8,76E+00
	Used as raw materials	MJ, net calorific value	3,84E+00	(N/A)	(N/A)	3,84E+00
	Total	MJ, net calorific value	1,16E+01	9,57E-01	3,85E-02	1,26E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	1,65E+01	2,15E+00	6,15E-01	1,93E+01
	Used as raw materials	MJ, net calorific value	3,40E+00	1,92E-03	2,82E-02	3,43E+00
	Total	MJ, net calorific value	1,99E+01	2,16E+00	6,43E-01	2,27E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	3,60E-02	1,04E-02	1,22E-03	4,77E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	3,87E-06	1,63E-09	2,47E-08	3,90E-06
Non-hazardous waste disposed	kg	2,99E-03	2,51E-03	8,86E-02	9,41E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	2,21E-01	2,21E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

12. TENA Flex Maxi M 725229 & 725222 & 730434 & 730433

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,193	0,036	0,070	0,299
	Biogenic	kg CO_2 eq.	-0,100	0,000	0,033	-0,067
	Land use and land transformation	kg CO_2 eq.	0,00015	0,00022	0,00014	0,00050
	Total	kg CO_2 eq.	0,093	0,036	0,103	0,233
Acidification potential (AP)		kg SO_2 eq.	8,97E-04	1,21E-04	4,88E-05	1,07E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	2,17E-04	1,38E-05	3,87E-05	2,70E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	6,71E-04	6,21E-05	3,82E-05	7,71E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	2,24E-07	1,17E-08	9,37E-10	2,37E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	4,19E+00	4,50E-01	1,60E-01	4,80E+00
Water scarcity potential		m^3 eq.	5,28E+00	1,23E-02	9,14E-03	5,30E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	2,11E+00	2,59E-01	1,04E-02	2,37E+00
	Used as raw materials	MJ, net calorofic value	1,04E+00	(N/A)	(N/A)	1,04E+00
	Total	MJ, net calorofic value	3,14E+00	2,59E-01	1,04E-02	3,41E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	4,55E+00	5,83E-01	1,67E-01	5,30E+00
	Used as raw materials	MJ, net calorofic value	1,01E+00	5,20E-04	7,67E-03	1,02E+00
	Total	MJ, net calorofic value	5,56E+00	5,84E-01	1,75E-01	6,32E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	9,71E-03	2,83E-03	3,28E-04	1,29E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,13E-06	4,42E-10	6,71E-09	1,14E-06
Non-hazardous waste disposed	kg	8,07E-04	6,81E-04	2,37E-02	2,52E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	5,97E-02	5,97E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

12. TENA Flex Maxi M 725229 & 725222 & 730434 & 730433

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,774	0,144	0,278	1,195
	Biogenic	kg CO_2 eq.	-0,401	0,000	0,134	-0,267
	Land use and land transformation	kg CO_2 eq.	0,00059	0,00087	0,00055	0,00201
	Total	kg CO_2 eq.	0,373	0,144	0,413	0,930
Acidification potential (AP)		kg SO_2 eq.	3,59E-03	4,83E-04	1,95E-04	4,27E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	8,69E-04	5,52E-05	1,55E-04	1,08E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	2,68E-03	2,48E-04	1,53E-04	3,09E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	8,98E-07	4,70E-08	3,75E-09	9,48E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	1,67E+01	1,80E+00	6,42E-01	1,92E+01
Water scarcoty potential		m^3 eq.	2,11E+01	4,90E-02	3,65E-02	2,12E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	8,42E+00	1,04E+00	4,17E-02	9,50E+00
	Used as raw materials	MJ, net calorific value	4,16E+00	(N/A)	(N/A)	4,16E+00
	Total	MJ, net calorific value	1,26E+01	1,04E+00	4,17E-02	1,37E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	1,82E+01	2,33E+00	6,67E-01	2,12E+01
	Used as raw materials	MJ, net calorific value	4,06E+00	2,08E-03	3,07E-02	4,09E+00
	Total	MJ, net calorific value	2,23E+01	2,33E+00	6,98E-01	2,53E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	3,88E-02	1,13E-02	1,31E-03	5,15E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	4,52E-06	1,77E-09	2,68E-08	4,55E-06
Non-hazardous waste disposed	kg	3,23E-03	2,72E-03	9,48E-02	1,01E-01
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	2,39E-01	2,39E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

13. TENA Flex Maxi L 725230 & 725322 & 729352 & 729620

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,230	0,043	0,082	0,354
	Biogenic	kg CO_2 eq.	-0,116	0,000	0,039	-0,077
	Land use and land transformation	kg CO_2 eq.	0,00017	0,00026	0,00016	0,00059
	Total	kg CO_2 eq.	0,114	0,043	0,121	0,278
Acidification potential (AP)		kg SO_2 eq.	1,05E-03	1,44E-04	5,75E-05	1,26E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	2,57E-04	1,65E-05	4,51E-05	3,19E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	7,95E-04	7,41E-05	4,47E-05	9,14E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	2,69E-07	1,40E-08	1,11E-09	2,84E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	5,01E+00	5,37E-01	1,89E-01	5,74E+00
Water scarcity potential		m^3 eq.	6,23E+00	1,46E-02	1,10E-02	6,25E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	2,42E+00	3,09E-01	1,23E-02	2,75E+00
	Used as raw materials	MJ, net calorific value	1,20E+00	(N/A)	(N/A)	1,20E+00
	Total	MJ, net calorific value	3,62E+00	3,09E-01	1,23E-02	3,95E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	5,44E+00	6,96E-01	1,97E-01	6,34E+00
	Used as raw materials	MJ, net calorific value	1,20E+00	6,21E-04	8,86E-03	1,20E+00
	Total	MJ, net calorific value	6,64E+00	6,96E-01	2,05E-01	7,54E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	1,16E-02	3,37E-03	3,97E-04	1,54E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,38E-06	5,28E-10	7,85E-09	1,39E-06
Non-hazardous waste disposed	kg	9,38E-04	8,12E-04	2,92E-02	3,09E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	7,08E-02	7,08E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

13. TENA Flex Maxi L 725230 & 725322 & 729352 & 729620

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,918	0,171	0,328	1,418
	Biogenic	kg CO_2 eq.	-0,463	0,000	0,155	-0,308
	Land use and land transformation	kg CO_2 eq.	0,00068	0,00104	0,00065	0,00237
	Total	kg CO_2 eq.	0,456	0,172	0,483	1,112
Acidification potential (AP)		kg SO_2 eq.	4,21E-03	5,76E-04	2,30E-04	5,02E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	1,03E-03	6,59E-05	1,81E-04	1,28E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,18E-03	2,96E-04	1,79E-04	3,66E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,08E-06	5,60E-08	4,45E-09	1,14E-06
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	2,01E+01	2,15E+00	7,56E-01	2,30E+01
Water scarcoty potential		m^3 eq.	2,49E+01	5,85E-02	4,42E-02	2,50E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	9,70E+00	1,24E+00	4,93E-02	1,10E+01
	Used as raw materials	MJ, net calorific value	4,80E+00	(N/A)	(N/A)	4,80E+00
	Total	MJ, net calorific value	1,45E+01	1,24E+00	4,93E-02	1,58E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	2,18E+01	2,78E+00	7,86E-01	2,53E+01
	Used as raw materials	MJ, net calorific value	4,78E+00	2,48E-03	3,55E-02	4,82E+00
	Total	MJ, net calorific value	2,66E+01	2,79E+00	8,22E-01	3,02E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	4,64E-02	1,35E-02	1,59E-03	6,15E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	5,51E-06	2,11E-09	3,14E-08	5,55E-06
Non-hazardous waste disposed	kg	3,75E-03	3,25E-03	1,17E-01	1,24E-01
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	2,83E-01	2,83E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

14. TENA Flex Maxi XL 725231 & 725421 & 725000 & 728533

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,307	0,058	0,110	0,475
	Biogenic	kg CO_2 eq.	-0,154	0,000	0,052	-0,103
	Land use and land transformation	kg CO_2 eq.	0,00023	0,00035	0,00021	0,00079
	Total	kg CO_2 eq.	0,153	0,058	0,162	0,373
Acidification potential (AP)		kg SO_2 eq.	1,41E-03	1,94E-04	7,69E-05	1,68E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	3,43E-04	2,22E-05	6,03E-05	4,25E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	1,06E-03	9,97E-05	5,98E-05	1,22E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	3,47E-07	1,89E-08	1,41E-09	3,67E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	6,78E+00	7,22E-01	2,52E-01	7,75E+00
Water scarcity potential		m^3 eq.	8,65E+00	1,97E-02	1,48E-02	8,68E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	3,22E+00	4,16E-01	1,65E-02	3,66E+00
	Used as raw materials	MJ, net calorific value	1,60E+00	(N/A)	(N/A)	1,60E+00
	Total	MJ, net calorific value	4,82E+00	4,16E-01	1,65E-02	5,26E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	7,37E+00	9,37E-01	2,62E-01	8,57E+00
	Used as raw materials	MJ, net calorific value	1,70E+00	8,36E-04	1,18E-02	1,71E+00
	Total	MJ, net calorific value	9,06E+00	9,37E-01	2,74E-01	1,03E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	1,55E-02	4,54E-03	5,32E-04	2,05E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	2,00E-06	7,10E-10	1,04E-08	2,01E-06
Non-hazardous waste disposed	kg	1,23E-03	1,09E-03	3,92E-02	4,15E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	9,48E-02	9,48E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

14. TENA Flex Maxi XL 725231 & 725421 & 725000 & 728533

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	1,230	0,231	0,441	1,901
	Biogenic	kg CO_2 eq.	-0,617	0,000	0,206	-0,411
	Land use and land transformation	kg CO_2 eq.	0,00092	0,00140	0,00086	0,00317
	Total	kg CO_2 eq.	0,613	0,232	0,649	1,493
Acidification potential (AP)		kg SO_2 eq.	5,65E-03	7,76E-04	3,07E-04	6,73E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	1,37E-03	8,86E-05	2,41E-04	1,70E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	4,25E-03	3,99E-04	2,39E-04	4,89E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,39E-06	7,54E-08	5,64E-09	1,47E-06
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	2,71E+01	2,89E+00	1,01E+00	3,10E+01
Water scarcoty potential		m^3 eq.	3,46E+01	7,87E-02	5,93E-02	3,47E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,29E+01	1,66E+00	6,58E-02	1,46E+01
	Used as raw materials	MJ, net calorific value	6,40E+00	(N/A)	(N/A)	6,40E+00
	Total	MJ, net calorific value	1,93E+01	1,66E+00	6,58E-02	2,10E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	2,95E+01	3,75E+00	1,05E+00	3,43E+01
	Used as raw materials	MJ, net calorific value	6,79E+00	3,34E-03	4,73E-02	6,84E+00
	Total	MJ, net calorific value	3,63E+01	3,75E+00	1,10E+00	4,11E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	6,18E-02	1,82E-02	2,13E-03	8,21E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	8,01E-06	2,84E-09	4,18E-08	8,05E-06
Non-hazardous waste disposed	kg	4,91E-03	4,37E-03	1,57E-01	1,66E-01
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	3,79E-01	3,79E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

15. TENA Flex Ultima S 725130 & 730454 & 730455

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,198	0,038	0,073	0,309
	Biogenic	kg CO_2 eq.	-0,110	0,000	0,036	-0,074
	Land use and land transformation	kg CO_2 eq.	0,00015	0,00023	0,00015	0,00053
	Total	kg CO_2 eq.	0,088	0,039	0,109	0,236
Acidification potential (AP)		kg SO_2 eq.	9,35E-04	1,29E-04	5,21E-05	1,12E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	2,33E-04	1,47E-05	4,18E-05	2,89E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	7,10E-04	6,64E-05	4,11E-05	8,18E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	2,52E-07	1,26E-08	1,16E-09	2,66E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	4,22E+00	4,81E-01	1,70E-01	4,87E+00
Water scarcity potential		m^3 eq.	5,04E+00	1,31E-02	9,75E-03	5,07E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	2,29E+00	2,77E-01	1,11E-02	2,58E+00
	Used as raw materials	MJ, net calorific value	1,14E+00	(N/A)	(N/A)	1,14E+00
	Total	MJ, net calorific value	3,43E+00	2,77E-01	1,11E-02	3,72E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	4,58E+00	6,23E-01	1,77E-01	5,38E+00
	Used as raw materials	MJ, net calorific value	8,63E-01	5,56E-04	8,35E-03	8,72E-01
	Total	MJ, net calorific value	5,44E+00	6,24E-01	1,85E-01	6,25E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	1,02E-02	3,02E-03	3,50E-04	1,36E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,01E-06	4,73E-10	7,09E-09	1,01E-06
Non-hazardous waste disposed	kg	8,60E-04	7,28E-04	2,50E-02	2,66E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	6,42E-02	6,42E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,794	0,153	0,290	1,237
	Biogenic	kg CO_2 eq.	-0,440	0,000	0,146	-0,295
	Land use and land transformation	kg CO_2 eq.	0,00060	0,00093	0,00058	0,00211
	Total	kg CO_2 eq.	0,354	0,154	0,437	0,945
Acidification potential (AP)		kg SO_2 eq.	3,74E-03	5,16E-04	2,08E-04	4,46E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	9,32E-04	5,90E-05	1,67E-04	1,16E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	2,84E-03	2,65E-04	1,64E-04	3,27E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,01E-06	5,02E-08	4,65E-09	1,06E-06
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	1,69E+01	1,92E+00	6,80E-01	1,95E+01
Water scarcoty potential		m^3 eq.	2,02E+01	5,24E-02	3,90E-02	2,03E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	9,16E+00	1,11E+00	4,42E-02	1,03E+01
	Used as raw materials	MJ, net calorofic value	4,56E+00	(N/A)	(N/A)	4,56E+00
	Total	MJ, net calorofic value	1,37E+01	1,11E+00	4,42E-02	1,49E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	1,83E+01	2,49E+00	7,07E-01	2,15E+01
	Used as raw materials	MJ, net calorofic value	3,45E+00	2,23E-03	3,34E-02	3,49E+00
	Total	MJ, net calorofic value	2,18E+01	2,50E+00	7,41E-01	2,50E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	4,10E-02	1,21E-02	1,40E-03	5,45E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	4,02E-06	1,89E-09	2,84E-08	4,05E-06
Non-hazardous waste disposed	kg	3,44E-03	2,91E-03	1,00E-01	1,07E-01
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	2,57E-01	2,57E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

16. TENA Flex Ultima M 725220 & 730435 & 730436

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,222	0,043	0,081	0,346
	Biogenic	kg CO_2 eq.	-0,120	0,000	0,040	-0,080
	Land use and land transformation	kg CO_2 eq.	0,00017	0,00026	0,00016	0,00059
	Total	kg CO_2 eq.	0,102	0,043	0,121	0,266
Acidification potential (AP)		kg SO_2 eq.	1,04E-03	1,43E-04	5,78E-05	1,24E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	2,58E-04	1,64E-05	4,60E-05	3,20E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	7,89E-04	7,37E-05	4,53E-05	9,08E-04
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	2,74E-07	1,39E-08	1,24E-09	2,89E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	4,77E+00	5,34E-01	1,89E-01	5,50E+00
Water scarcity potential		m^3 eq.	5,81E+00	1,45E-02	1,09E-02	5,83E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	2,51E+00	3,07E-01	1,23E-02	2,83E+00
	Used as raw materials	MJ, net calorofic value	1,25E+00	(N/A)	(N/A)	1,25E+00
	Total	MJ, net calorofic value	3,76E+00	3,07E-01	1,23E-02	4,07E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	5,18E+00	6,92E-01	1,97E-01	6,07E+00
	Used as raw materials	MJ, net calorofic value	1,03E+00	6,18E-04	9,17E-03	1,04E+00
	Total	MJ, net calorofic value	6,21E+00	6,93E-01	2,06E-01	7,11E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	1,14E-02	3,36E-03	3,90E-04	1,51E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,19E-06	5,25E-10	7,88E-09	1,19E-06
Non-hazardous waste disposed	kg	9,49E-04	8,08E-04	2,81E-02	2,98E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	7,10E-02	7,10E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,890	0,170	0,324	1,384
	Biogenic	kg CO_2 eq.	-0,481	0,000	0,160	-0,322
	Land use and land transformation	kg CO_2 eq.	0,00067	0,00103	0,00065	0,00235
	Total	kg CO_2 eq.	0,409	0,171	0,484	1,064
Acidification potential (AP)		kg SO_2 eq.	4,16E-03	5,73E-04	2,31E-04	4,97E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	1,03E-03	6,55E-05	1,84E-04	1,28E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,15E-03	2,95E-04	1,81E-04	3,63E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,10E-06	5,57E-08	4,96E-09	1,16E-06
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	1,91E+01	2,13E+00	7,56E-01	2,20E+01
Water scarcoty potential		m^3 eq.	2,32E+01	5,82E-02	4,34E-02	2,33E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	1,00E+01	1,23E+00	4,92E-02	1,13E+01
	Used as raw materials	MJ, net calorofic value	4,99E+00	(N/A)	(N/A)	4,99E+00
	Total	MJ, net calorofic value	1,50E+01	1,23E+00	4,92E-02	1,63E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	2,07E+01	2,77E+00	7,86E-01	2,43E+01
	Used as raw materials	MJ, net calorofic value	4,12E+00	2,47E-03	3,67E-02	4,16E+00
	Total	MJ, net calorofic value	2,49E+01	2,77E+00	8,23E-01	2,84E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	4,55E-02	1,34E-02	1,56E-03	6,05E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	4,74E-06	2,10E-09	3,15E-08	4,78E-06
Non-hazardous waste disposed	kg	3,79E-03	3,23E-03	1,12E-01	1,19E-01
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	2,84E-01	2,84E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

17. TENA Flex Ultima L 725320 & 729695 & 729909

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,261	0,051	0,096	0,407
	Biogenic	kg CO_2 eq.	-0,144	0,000	0,048	-0,096
	Land use and land transformation	kg CO_2 eq.	0,00020	0,00031	0,00019	0,00069
	Total	kg CO_2 eq.	0,117	0,051	0,143	0,312
Acidification potential (AP)		kg SO_2 eq.	1,23E-03	1,71E-04	6,81E-05	1,46E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	3,04E-04	1,95E-05	5,47E-05	3,78E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	9,31E-04	8,78E-05	5,38E-05	1,07E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	3,21E-07	1,66E-08	1,46E-09	3,39E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	5,61E+00	6,36E-01	2,22E-01	6,47E+00
Water scarcity potential		m^3 eq.	6,88E+00	1,73E-02	1,29E-02	6,91E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	2,97E+00	3,66E-01	1,44E-02	3,35E+00
	Used as raw materials	MJ, net calorific value	1,49E+00	(N/A)	(N/A)	1,49E+00
	Total	MJ, net calorific value	4,46E+00	3,66E-01	1,44E-02	4,84E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	6,09E+00	8,24E-01	2,31E-01	7,15E+00
	Used as raw materials	MJ, net calorific value	1,21E+00	7,36E-04	1,09E-02	1,22E+00
	Total	MJ, net calorific value	7,30E+00	8,25E-01	2,42E-01	8,37E+00
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	1,34E-02	4,00E-03	4,62E-04	1,79E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,43E-06	6,25E-10	9,21E-09	1,44E-06
Non-hazardous waste disposed	kg	1,11E-03	9,62E-04	3,32E-02	3,52E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	8,42E-02	8,42E-02
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	1,043	0,203	0,382	1,628
	Biogenic	kg CO_2 eq.	-0,574	0,000	0,191	-0,384
	Land use and land transformation	kg CO_2 eq.	0,00079	0,00123	0,00076	0,00277
	Total	kg CO_2 eq.	0,469	0,204	0,574	1,247
Acidification potential (AP)		kg SO_2 eq.	4,90E-03	6,83E-04	2,72E-04	5,86E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	1,22E-03	7,80E-05	2,19E-04	1,51E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,72E-03	3,51E-04	2,15E-04	4,29E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,28E-06	6,64E-08	5,84E-09	1,36E-06
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	2,25E+01	2,54E+00	8,87E-01	2,59E+01
Water scarcoty potential		m^3 eq.	2,75E+01	6,93E-02	5,15E-02	2,76E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,19E+01	1,47E+00	5,77E-02	1,34E+01
	Used as raw materials	MJ, net calorific value	5,95E+00	(N/A)	(N/A)	5,95E+00
	Total	MJ, net calorific value	1,78E+01	1,47E+00	5,77E-02	1,94E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	2,44E+01	3,30E+00	9,23E-01	2,86E+01
	Used as raw materials	MJ, net calorific value	4,84E+00	2,94E-03	4,37E-02	4,89E+00
	Total	MJ, net calorific value	2,92E+01	3,30E+00	9,66E-01	3,35E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	5,36E-02	1,60E-02	1,85E-03	7,15E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	5,72E-06	2,50E-09	3,69E-08	5,76E-06
Non-hazardous waste disposed	kg	4,44E-03	3,85E-03	1,33E-01	1,41E-01
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	3,37E-01	3,37E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,327	0,065	0,125	0,517
	Biogenic	kg CO_2 eq.	-0,199	0,000	0,066	-0,133
	Land use and land transformation	kg CO_2 eq.	0,00026	0,00040	0,00025	0,00090
	Total	kg CO_2 eq.	0,128	0,066	0,191	0,385
Acidification potential (AP)		kg SO_2 eq.	1,60E-03	2,20E-04	8,78E-05	1,91E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	3,85E-04	2,51E-05	7,36E-05	4,84E-04
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	1,19E-03	1,13E-04	7,15E-05	1,37E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	3,69E-07	2,14E-08	1,73E-09	3,92E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	7,01E+00	8,18E-01	2,83E-01	8,11E+00
Water scarcity potential		m^3 eq.	9,45E+00	2,23E-02	1,57E-02	9,49E+00
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	4,09E+00	4,71E-01	1,83E-02	4,58E+00
	Used as raw materials	MJ, net calorific value	2,06E+00	(N/A)	(N/A)	2,06E+00
	Total	MJ, net calorific value	6,15E+00	4,71E-01	1,83E-02	6,64E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	7,63E+00	1,06E+00	2,95E-01	8,99E+00
	Used as raw materials	MJ, net calorific value	1,72E+00	9,47E-04	1,52E-02	1,73E+00
	Total	MJ, net calorific value	9,35E+00	1,06E+00	3,10E-01	1,07E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	1,66E-02	5,15E-03	5,64E-04	2,23E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1,99E-06	8,05E-10	1,19E-08	2,00E-06
Non-hazardous waste disposed	kg	1,42E-03	1,24E-03	3,81E-02	4,08E-02
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	1,08E-01	1,08E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

one day of absorbent product use

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	1,309	0,261	0,499	2,069
	Biogenic	kg CO_2 eq.	-0,797	0,000	0,265	-0,532
	Land use and land transformation	kg CO_2 eq.	0,00104	0,00158	0,00098	0,00360
	Total	kg CO_2 eq.	0,513	0,262	0,765	1,541
Acidification potential (AP)		kg SO_2 eq.	6,40E-03	8,79E-04	3,51E-04	7,63E-03
Eutrophication potential (EP)		kg PO_4^3 eq.	1,54E-03	1,00E-04	2,94E-04	1,94E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	4,74E-03	4,52E-04	2,86E-04	5,48E-03
Abiotic depletion potential - Elements (ADP-elements)		kg Sb eq.	1,48E-06	8,55E-08	6,91E-09	1,57E-06
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	2,80E+01	3,27E+00	1,13E+00	3,24E+01
Water scarcoty potential		m^3 eq.	3,78E+01	8,92E-02	6,27E-02	3,80E+01
Land use and land use change (LUC)		m^2 per year	(N/A)	(N/A)	(N/A)	(N/A)

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	1,64E+01	1,89E+00	7,32E-02	1,83E+01
	Used as raw materials	MJ, net calorofic value	8,24E+00	(N/A)	(N/A)	8,24E+00
	Total	MJ, net calorofic value	2,46E+01	1,89E+00	7,32E-02	2,66E+01
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	3,05E+01	4,24E+00	1,18E+00	3,60E+01
	Used as raw materials	MJ, net calorofic value	6,87E+00	3,79E-03	6,08E-02	6,93E+00
	Total	MJ, net calorofic value	3,74E+01	4,25E+00	1,24E+00	4,29E+01
Secondary material		kg	(N/A)	(N/A)	(N/A)	(N/A)
Renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Non-renewable secondary fuels		MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
Net use of fresh water		m^3	6,64E-02	2,06E-02	2,25E-03	8,92E-02

Waste and output flows

Parameter	Unit	Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	7,95E-06	3,22E-09	4,77E-08	8,00E-06
Non-hazardous waste disposed	kg	5,66E-03	4,95E-03	1,52E-01	1,63E-01
Radioactive waste disposed	kg	(N/A)	(N/A)	(N/A)	(N/A)
Components for reuse	kg	(N/A)	(N/A)	(N/A)	(N/A)
Material for recycling	kg	(N/A)	(N/A)	(N/A)	(N/A)
Materials for energy recovery	kg	0,00	0,00	4,31E-01	4,31E-01
Exported energy, electricity	MJ	(N/A)	(N/A)	(N/A)	(N/A)
Exported energy, thermal	MJ	(N/A)	(N/A)	(N/A)	(N/A)

GWP - Global Warming Potential
AP - Acidification Potential
EP - Eutrophication Potential
POCP - Photochemical Ozon Creation Potential

References

1. PCR 2011:14 v. 3.01
2. General Programme Instructions for the International EPD® System v. 3.01
3. ISO 14040:2006 Environmental management – Life cycle assessment – Principles and framework
4. ISO 14044:2006 Environmental management – Life cycle assessment – Requirements and guidelines
5. ISO 14025:2006 Environmental labels and declarations – Type III environmental declarations – Principles and procedures
6. ISO 14020:2000 Environmental labels and declarations – General principles
7. DPCM 12/01/17 – G.U. n. 65 del 18 marzo 2017
8. www.environdec.com

Version	Revision Item
6	
7	New articles added (no new LCA calculations): TENA Flex Normal M, art no 730369 & 730082 TENA Flex Normal L, art no 722514 & 722394 TENA Flex Plus S, art no 730439 & 730437 & 730438 TENA Flex Plus M, art no 730432 & 730430 & 730431 TENA Flex Plus L, art no 728694 & 723333 & 728599 TENA Flex Plus XL, art no 724950 & 724960 TENA Flex Super S, art no 730445 & 730446 & 730440 TENA Flex Super M, art no 730457 & 730458 & 730456 TENA Flex Super L, art no 728749 & 729281 & 728695 TENA Flex Super XL, art no 724980 & 724970 TENA Flex Maxi S, art no 730453 & 730447 TENA Flex Maxi M, art no 730434 & 730433 TENA Flex Maxi L, art no 729352 & 729620 TENA Flex Maxi XL, art no 725000 & 728533 TENA Flex Ultima S, art no 730454 & 730455 TENA Flex Ultima M, art no 730435 & 730436 TENA Flex Ultima L, art no 729695 & 729909 TENA Flex Ultima XL, art no 728534
8	Correction of spelling: art no on page 5, 724080 changed to 724980

Making a better mark – for people, and for the planet

We create value for customers and consumers by increasing health and hygiene standards through our innovative solutions, and by sharing knowledge and promoting awareness.

We create business value by meeting societal needs and offering more people an opportunity to work, in better conditions, so they can provide for their families and live happier, fuller lives.

Since 2008 we've also been taking steps to make every TENA product more sustainable. For example, by converting to 100% renewable electricity in all our factories. Our goal is to reduce the carbon footprint of our products and services by 50 % by 2030.

Step by step, to leave a better mark on the planet.