Environmental Product Declaration

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

TENA Flex

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Programme operator:	EPD International AB

Essity is a leading global hygiene and health company

Essity is a global, leading hygiene and health company. We are dedicated to improving well-being through our products and services.

Sales are conducted in approximately 150 countries under the leading global brands TENA and Tork, and other strong brands, such as Actimove, JOBST, Knix, Leukoplast, Libero, Libresse, Lotus, Modibodi, Nosotras, Saba, Tempo, TOM Organic, Vinda and Zewa.

Essity has about 48,000 employees. Net sales in 2022 amounted to approximately SEK 156bn (EUR 15bn).

The company's headquarters is located in Stockholm, Sweden, and Essity 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 a more positive impact on society and the planet.

TENA assortment

TENA Female Liners & Pads	A drier, safer, and more comfortable product than ordinary menstrual towels. 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 want discretion and to continue to live an active life.
TENA Pants & Underwear	Close body fit for security and confidence. High performance products that Absorbent disposable pant for users experiencing incontinence. High performance products, that are as easy to put on/take off as underwear. Stretchy, soft and textile-like materials offer users a body-close fit for healthy skin, high leakage security, confidence, and comfort during use. The products are available in a range of sizes and absorbency levels and as unisex or gender specific products and are suitable for all types of incontinence. Dermatologically tested and/or Dermatologically Approved by Skin Health Alliance.
TENA Flex	A belted product with elastic belt for easy & ergonomic changes for the carer and high security for the user. TENA Flex provides ease of use and best fit; adjusts to different body shapes, securing comfortable fit, skin health and superior leakage security. The products are available in a range of sizes and absorbency levels and are suitable for all types of incontinence. Dermatologically tested and/or Dermatologically Approved by Skin Health Alliance.
TENA Comfort TENA Rectangular	All-in-one incontinence products designed to provide protection for healthy skin and high leakage security. The products are available in a broad range of sizes and absorbency levels ensuring a comfortable adjustable fit and are suitable for all types of incontinence. Dermatologically tested and/or Dermatologically Approved by Skin Health Alliance.
TENA Slip	All-in-one incontinence products 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. Dermatologically tested and/or Dermatologically Approved by Skin Health Alliance.
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.
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	730082* 730369* 722234*^ 722360*^	803 x 350	64
2	TENA Flex Normal L	722394* 722514* 722334*^ 722393*^	863 x 410	72
3	TENA Flex Plus S	730437* 730438* 730439* 720513*^ 720514*^ 723130*^	710 x 300	66
4	TENA Flex Plus M	730430* 730431* 730432* 720515*^ 720516*^ 723230*^	803 x 350	77
5	TENA Flex Plus L	723333* 728599* 728694* 720517*^ 720518*^ 723330*^	863 x 410	88

* Article approved according to the Nordic Ecolabel License 3023 0069
^ Article no longer produced

This environmental declaration covers the following products		Article number	Dimension (mm)	Weight ± 5% (g)
6	TENA Flex Plus XL	724950* 724960* 720519*^ 723430*^	1030 x 520	115
7	TENA Flex Super S	730440* 730445* 730446* 724130*^ 724857*^ 724900*^	710 x 300	76
8	TENA Flex Super M	730456* 730457* 730458* 724230*^ 724901*^ 724910*^	803 x 350	88
9	TENA Flex Super L	728695* 728749* 729281* 724330*^ 724920*^ 724930*^	863 x 410	97
10	TENA Flex Super XL	724970* 724980* 724430*^ 724940*^	1030 x 520	128

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^ Article no longer produced

This environmental declaration covers the following products cont.		Article number	Dimension (mm)	Weight ± 5% (g)
11	TENA Flex Maxi S	730447* 730453* 725122*^ 725228*^	710 x 300	104
12	TENA Flex Maxi M	730433* 730434* 725222*^ 725229*^	803 x 350	114
13	TENA Flex Maxi L	729352* 729620* 725230*^ 725322*^	863 x 410	134
14	TENA Flex Maxi XL	725000* 728533* 725231*^ 725421*^	1030 x 520	175
15	TENA Flex Ultima S	730454* 730455* 725130*^	710 x 300	122
16	TENA Flex Ultima M	730435* 730436* 725220*^	803 x 350	135
17	TENA Flex Ultima L	729695* 729909* 725320*^	863 x 410	160
18	TENA Flex Ultima XL	728534* 725400*^	1030 x 520	204

* Article approved according to the Nordic Ecolabel License 3023 0069
^ Article no longer produced

The way we work

We assess the environmental impact of our products using a full life cycle approach, beginning with product design, through 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 13485, ISO 14001 and ISO 18001.

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

Life cycle management of Essity 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 during the years 2008 to 2022 by working in a structured way to continually improve performance and efficiency.

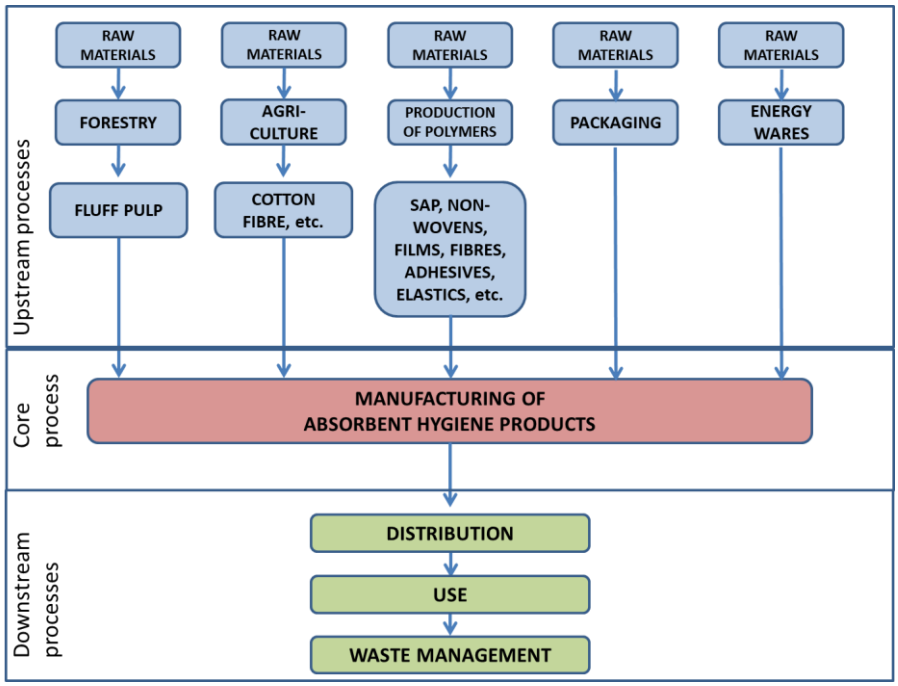
Product	Carbon footprint reduction (g CO_2-eq/product)
TENA Flex	- 22 %
TENA Pads & Liners	- 43 %
TENA Men	- 26 %
TENA Pants & Underwear	- 41 %
TENA Slip	- 32 %
TENA Comfort	- 21 %
TENA Bed	- 24 %

The carbon footprint reductions in Europe between 2008-2022 for TENA products are based on Life Cycle Assessments (LCA). The LCA is conducted by Essity, and third party verified in 2023.

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, energywares, 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”, i.e., all process of upstream, core and downstream are included as in the figure above.

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). Emissions of 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 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.
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, TENA Female Pads and Liners have a consumer pack of carton from renewable fibers. Different levels of recycled plastic materials are used in the consumer pack.
MANUFACTURING SITES	The TENA assortment is produced in the following factories; Falkenberg/Sweden, Gennep/Netherlands, Olawa/Poland, Gemerská Hôrka/Slovakia, Hoogezand/Netherlands, Valls/Spain, Drumondville/Canada. All production sites are certified with management systems for quality, environment and health and safety, ISO 9001, ISO 14001 and ISO 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 2018-2021. Supplier data for raw materials like film and nonwoven as well as other, minor materials may be some years older. Manufacturing data are from 2022. Article specifications are from 2023.
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

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

2024: Revision 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. A general revision was done in 2020 with the validity to 2025, but now all EPDs are revised again. There are new rules and guidance for the environmental impact categories to which the calculations have been adapted, e.g., handling biogenic carbon, acidification and eutrophication potentials. This alters to some extent the environmental profile of the products. However, a follow up of the carbon footprint of TENA products (Environmental achievements, page 8) show significant reductions between the years 2008 and 2022 since the continuous product development cover new and better product designs, with less use of material, improved production by suppliers and improvements at TENA manufacturing sites.

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.4.01
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

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,106	0,011	0,030	0,146
	Biogenic	kg CO_2 eq.	-0,064	0,000	0,082	0,018
	Land use and land transformation	kg CO_2 eq.	0,00003	0,00003	0,00010	0,00016
	Total	kg CO_2 eq.	0,042	0,011	0,112	0,164
Acidification potential (AP)		mol H^+ eq.	4,67E-04	1,84E-04	6,00E-05	7,11E-04
Eutrophication potential (EP), freshwater		kg P eq.	4,95E-06	6,28E-08	2,14E-07	5,23E-06
Eutrophication potential (EP), marine		kg N eq.	1,11E-04	4,70E-05	5,57E-05	2,13E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,07E-03	5,09E-04	2,88E-04	1,87E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,29E-04	1,29E-04	6,49E-05	5,23E-04
Ozone depletion potential (ODP)		CFC-11 eq.	2,65E-10	2,64E-12	5,65E-11	3,24E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	2,04E-08	9,84E-09	2,11E-09	3,24E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	2,82E+00	1,43E-01	1,71E-01	3,14E+00
Water scarcity potential		m^3 eq.	4,27E-01	4,56E-03	7,69E-03	4,40E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	9,45E-01	5,54E-01	1,43E-02	1,51E+00
	Used as raw materials	MJ, net calorific value	5,93E-01	(N/A)	(N/A)	5,93E-01
	Total	MJ, net calorific value	1,54E+00	5,54E-01	1,43E-02	2,11E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	2,83E+00	1,43E-01	1,72E-01	3,14E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	2,83E+00	1,43E-01	1,72E-01	3,14E+00

2. TENA Flex Normal L

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,121	0,012	0,034	0,167
	Biogenic	kg CO_2 eq.	-0,070	0,000	0,090	0,019
	Land use and land transformation	kg CO_2 eq.	0,00004	0,00003	0,00011	0,00018
	Total	kg CO_2 eq.	0,051	0,012	0,124	0,187
Acidification potential (AP)		mol H^+ eq.	5,30E-04	2,07E-04	6,69E-05	8,04E-04
Eutrophication potential (EP), freshwater		kg P eq.	5,57E-06	7,11E-08	2,44E-07	5,88E-06
Eutrophication potential (EP), marine		kg N eq.	1,25E-04	5,28E-05	6,18E-05	2,40E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,22E-03	5,73E-04	3,21E-04	2,11E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,74E-04	1,45E-04	7,21E-05	5,91E-04
Ozone depletion potential (ODP)		CFC-11 eq.	2,94E-10	2,98E-12	6,25E-11	3,60E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	2,36E-08	1,11E-08	2,34E-09	3,70E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,27E+00	1,61E-01	1,91E-01	3,62E+00
Water scarcity potential		m^3 eq.	4,88E-01	5,16E-03	8,70E-03	5,02E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,06E+00	6,26E-01	1,60E-02	1,71E+00
	Used as raw materials	MJ, net calorific value	6,59E-01	(N/A)	(N/A)	6,59E-01
	Total	MJ, net calorific value	1,72E+00	6,26E-01	1,60E-02	2,36E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	3,27E+00	1,61E-01	1,91E-01	3,62E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	3,27E+00	1,61E-01	1,91E-01	3,62E+00

3. TENA Flex Plus S

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,105	0,011	0,030	0,146
	Biogenic	kg CO_2 eq.	-0,065	0,000	0,082	0,017
	Land use and land transformation	kg CO_2 eq.	0,00003	0,00003	0,00010	0,00016
	Total	kg CO_2 eq.	0,040	0,011	0,112	0,163
Acidification potential (AP)		mol H^+ eq.	4,46E-04	2,07E-04	6,23E-05	7,15E-04
Eutrophication potential (EP), freshwater		kg P eq.	5,57E-06	6,47E-08	2,32E-07	5,86E-06
Eutrophication potential (EP), marine		kg N eq.	1,08E-04	5,22E-05	5,63E-05	2,16E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,05E-03	5,67E-04	2,97E-04	1,91E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,21E-04	1,44E-04	6,64E-05	5,32E-04
Ozone depletion potential (ODP)		CFC-11 eq.	2,57E-10	2,74E-12	5,64E-11	3,16E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	2,48E-08	1,02E-08	2,14E-09	3,71E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	2,73E+00	1,52E-01	1,77E-01	3,06E+00
Water scarcity potential		m^3 eq.	4,62E-01	4,73E-03	8,16E-03	4,75E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	9,18E-01	5,74E-01	1,48E-02	1,51E+00
	Used as raw materials	MJ, net calorofic value	5,92E-01	(N/A)	(N/A)	5,92E-01
	Total	MJ, net calorofic value	1,51E+00	5,74E-01	1,48E-02	2,10E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	2,73E+00	1,52E-01	1,78E-01	3,06E+00
	Used as raw materials	MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorofic value	2,73E+00	1,52E-01	1,78E-01	3,06E+00

4. TENA Flex Plus M

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,123	0,013	0,035	0,172
	Biogenic	kg CO_2 eq.	-0,073	0,000	0,092	0,020
	Land use and land transformation	kg CO_2 eq.	0,00004	0,00004	0,00011	0,00018
	Total	kg CO_2 eq.	0,051	0,013	0,128	0,192
Acidification potential (AP)		mol H^+ eq.	5,19E-04	2,38E-04	7,22E-05	8,30E-04
Eutrophication potential (EP), freshwater		kg P eq.	6,45E-06	7,54E-08	2,74E-07	6,80E-06
Eutrophication potential (EP), marine		kg N eq.	1,25E-04	6,03E-05	6,43E-05	2,49E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,22E-03	6,55E-04	3,44E-04	2,22E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,74E-04	1,66E-04	7,64E-05	6,17E-04
Ozone depletion potential (ODP)		CFC-11 eq.	3,11E-10	3,18E-12	6,37E-11	3,78E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	2,98E-08	1,18E-08	2,44E-09	4,41E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,25E+00	1,76E-01	2,05E-01	3,64E+00
Water scarcity potential		m^3 eq.	5,59E-01	5,50E-03	9,51E-03	5,74E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,05E+00	6,67E-01	1,72E-02	1,74E+00
	Used as raw materials	MJ, net calorific value	6,69E-01	(N/A)	(N/A)	6,69E-01
	Total	MJ, net calorific value	1,72E+00	6,67E-01	1,72E-02	2,41E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	3,26E+00	1,77E-01	2,06E-01	3,64E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	3,26E+00	1,77E-01	2,06E-01	3,64E+00

5. TENA Flex Plus L

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,144	0,015	0,041	0,200
	Biogenic	kg CO_2 eq.	-0,078	0,000	0,100	0,022
	Land use and land transformation	kg CO_2 eq.	0,00004	0,00004	0,00013	0,00021
	Total	kg CO_2 eq.	0,066	0,015	0,141	0,222
Acidification potential (AP)		mol H^+ eq.	5,93E-04	2,74E-04	8,19E-05	9,49E-04
Eutrophication potential (EP), freshwater		kg P eq.	7,47E-06	8,66E-08	3,26E-07	7,88E-06
Eutrophication potential (EP), marine		kg N eq.	1,42E-04	6,93E-05	7,11E-05	2,82E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,40E-03	7,52E-04	3,89E-04	2,54E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	4,30E-04	1,91E-04	8,57E-05	7,07E-04
Ozone depletion potential (ODP)		CFC-11 eq.	3,52E-10	3,65E-12	6,93E-11	4,25E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	3,65E-08	1,36E-08	2,69E-09	5,28E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,85E+00	2,02E-01	2,33E-01	4,29E+00
Water scarcity potential		m^3 eq.	6,68E-01	6,32E-03	1,10E-02	6,85E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,17E+00	7,66E-01	1,95E-02	1,96E+00
	Used as raw materials	MJ, net calorific value	7,30E-01	(N/A)	(N/A)	7,30E-01
	Total	MJ, net calorific value	1,90E+00	7,66E-01	1,95E-02	2,69E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	3,85E+00	2,03E-01	2,33E-01	4,29E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	3,85E+00	2,03E-01	2,33E-01	4,29E+00

6. TENA Flex Plus XL

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,186	0,020	0,053	0,258
	Biogenic	kg CO_2 eq.	-0,104	0,000	0,133	0,029
	Land use and land transformation	kg CO_2 eq.	0,00005	0,00005	0,00016	0,00027
	Total	kg CO_2 eq.	0,082	0,020	0,186	0,288
Acidification potential (AP)		mol H^+ eq.	7,94E-04	3,47E-04	1,05E-04	1,25E-03
Eutrophication potential (EP), freshwater		kg P eq.	9,19E-06	1,13E-07	4,02E-07	9,71E-06
Eutrophication potential (EP), marine		kg N eq.	1,87E-04	8,80E-05	9,45E-05	3,70E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,84E-03	9,55E-04	5,00E-04	3,30E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	5,67E-04	2,42E-04	1,12E-04	9,21E-04
Ozone depletion potential (ODP)		CFC-11 eq.	4,06E-10	4,75E-12	9,47E-11	5,06E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	4,16E-08	1,77E-08	3,58E-09	6,29E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	5,02E+00	2,60E-01	2,97E-01	5,58E+00
Water scarcity potential		m^3 eq.	7,65E-01	8,21E-03	1,41E-02	7,87E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,60E+00	9,96E-01	2,50E-02	2,63E+00
	Used as raw materials	MJ, net calorific value	1,01E+00	(N/A)	(N/A)	1,01E+00
	Total	MJ, net calorific value	2,61E+00	9,96E-01	2,50E-02	3,63E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	5,03E+00	2,61E-01	2,98E-01	5,58E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	5,03E+00	2,61E-01	2,98E-01	5,58E+00

7. TENA Flex Super S

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,116	0,013	0,033	0,163
	Biogenic	kg CO_2 eq.	-0,072	0,000	0,091	0,020
	Land use and land transformation	kg CO_2 eq.	0,00003	0,00003	0,00011	0,00018
	Total	kg CO_2 eq.	0,045	0,014	0,125	0,183
Acidification potential (AP)		mol H^+ eq.	4,85E-04	2,50E-04	7,13E-05	8,06E-04
Eutrophication potential (EP), freshwater		kg P eq.	6,68E-06	7,46E-08	2,74E-07	7,03E-06
Eutrophication potential (EP), marine		kg N eq.	1,18E-04	6,29E-05	6,35E-05	2,44E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,15E-03	6,83E-04	3,38E-04	2,17E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	3,55E-04	1,74E-04	7,53E-05	6,04E-04
Ozone depletion potential (ODP)		CFC-11 eq.	2,76E-10	3,16E-12	6,33E-11	3,43E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	3,08E-08	1,18E-08	2,42E-09	4,50E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,02E+00	1,78E-01	2,02E-01	3,40E+00
Water scarcity potential		m^3 eq.	5,42E-01	5,47E-03	9,53E-03	5,57E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,02E+00	6,64E-01	1,68E-02	1,70E+00
	Used as raw materials	MJ, net calorific value	6,68E-01	(N/A)	(N/A)	6,68E-01
	Total	MJ, net calorific value	1,69E+00	6,64E-01	1,68E-02	2,37E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	3,02E+00	1,78E-01	2,02E-01	3,40E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	3,02E+00	1,78E-01	2,02E-01	3,40E+00

8. TENA Flex Super M

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,136	0,016	0,039	0,191
	Biogenic	kg CO_2 eq.	-0,081	0,000	0,103	0,022
	Land use and land transformation	kg CO_2 eq.	0,00004	0,00004	0,00013	0,00021
	Total	kg CO_2 eq.	0,055	0,016	0,143	0,214
Acidification potential (AP)		mol H^+ eq.	5,63E-04	2,86E-04	8,22E-05	9,31E-04
Eutrophication potential (EP), freshwater		kg P eq.	7,66E-06	8,65E-08	3,18E-07	8,06E-06
Eutrophication potential (EP), marine		kg N eq.	1,37E-04	7,21E-05	7,28E-05	2,81E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,34E-03	7,82E-04	3,89E-04	2,51E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	4,13E-04	1,99E-04	8,65E-05	6,98E-04
Ozone depletion potential (ODP)		CFC-11 eq.	3,32E-10	3,66E-12	7,22E-11	4,08E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	3,61E-08	1,36E-08	2,76E-09	5,25E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,57E+00	2,06E-01	2,33E-01	4,01E+00
Water scarcity potential		m^3 eq.	6,44E-01	6,33E-03	1,10E-02	6,61E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,18E+00	7,67E-01	1,94E-02	1,96E+00
	Used as raw materials	MJ, net calorific value	7,62E-01	(N/A)	(N/A)	7,62E-01
	Total	MJ, net calorific value	1,94E+00	7,67E-01	1,94E-02	2,72E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	3,57E+00	2,06E-01	2,33E-01	4,01E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	3,57E+00	2,06E-01	2,33E-01	4,01E+00

9. TENA Flex Super L

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,153	0,017	0,044	0,214
	Biogenic	kg CO_2 eq.	-0,087	0,000	0,111	0,024
	Land use and land transformation	kg CO_2 eq.	0,00004	0,00004	0,00014	0,00023
	Total	kg CO_2 eq.	0,067	0,017	0,155	0,238
Acidification potential (AP)		mol H^+ eq.	6,29E-04	3,12E-04	8,97E-05	1,03E-03
Eutrophication potential (EP), freshwater		kg P eq.	8,37E-06	9,55E-08	3,53E-07	8,82E-06
Eutrophication potential (EP), marine		kg N eq.	1,51E-04	7,86E-05	7,89E-05	3,09E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,49E-03	8,53E-04	4,25E-04	2,77E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	4,60E-04	2,17E-04	9,42E-05	7,71E-04
Ozone depletion potential (ODP)		CFC-11 eq.	3,65E-10	4,03E-12	7,79E-11	4,47E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	4,02E-08	1,50E-08	3,00E-09	5,82E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	4,05E+00	2,26E-01	2,54E-01	4,53E+00
Water scarcity potential		m^3 eq.	7,19E-01	6,97E-03	1,21E-02	7,38E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,29E+00	8,46E-01	2,13E-02	2,16E+00
	Used as raw materials	MJ, net calorific value	8,24E-01	(N/A)	(N/A)	8,24E-01
	Total	MJ, net calorific value	2,12E+00	8,46E-01	2,13E-02	2,98E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	4,06E+00	2,26E-01	2,54E-01	4,54E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	4,06E+00	2,26E-01	2,54E-01	4,54E+00

10. TENA Flex Super XL

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,200	0,022	0,057	0,279
	Biogenic	kg CO_2 eq.	-0,115	0,000	0,148	0,033
	Land use and land transformation	kg CO_2 eq.	0,00006	0,00006	0,00018	0,00030
	Total	kg CO_2 eq.	0,085	0,022	0,205	0,312
Acidification potential (AP)		mol H^+ eq.	8,43E-04	4,03E-04	1,16E-04	1,36E-03
Eutrophication potential (EP), freshwater		kg P eq.	1,06E-05	1,25E-07	4,46E-07	1,11E-05
Eutrophication potential (EP), marine		kg N eq.	2,01E-04	1,02E-04	1,05E-04	4,08E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,98E-03	1,10E-03	5,52E-04	3,63E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	6,10E-04	2,81E-04	1,24E-04	1,01E-03
Ozone depletion potential (ODP)		CFC-11 eq.	4,26E-10	5,29E-12	1,06E-10	5,37E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	4,78E-08	1,97E-08	4,00E-09	7,15E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	5,33E+00	2,95E-01	3,28E-01	5,95E+00
Water scarcity potential		m^3 eq.	8,45E-01	9,16E-03	1,57E-02	8,70E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,76E+00	1,11E+00	2,75E-02	2,90E+00
	Used as raw materials	MJ, net calorific value	1,13E+00	(N/A)	(N/A)	1,13E+00
	Total	MJ, net calorific value	2,89E+00	1,11E+00	2,75E-02	4,03E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	5,33E+00	2,95E-01	3,29E-01	5,95E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	5,33E+00	2,95E-01	3,29E-01	5,95E+00

11. TENA Flex Maxi S

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,149	0,019	0,043	0,211
	Biogenic	kg CO_2 eq.	-0,097	0,000	0,124	0,027
	Land use and land transformation	kg CO_2 eq.	0,00004	0,00005	0,00015	0,00024
	Total	kg CO_2 eq.	0,052	0,019	0,168	0,238
Acidification potential (AP)		mol H^+ eq.	5,99E-04	3,68E-04	9,78E-05	1,06E-03
Eutrophication potential (EP), freshwater		kg P eq.	9,74E-06	1,02E-07	3,77E-07	1,02E-05
Eutrophication potential (EP), marine		kg N eq.	1,50E-04	9,19E-05	8,65E-05	3,28E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,46E-03	9,98E-04	4,60E-04	2,92E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	4,51E-04	2,55E-04	1,03E-04	8,09E-04
Ozone depletion potential (ODP)		CFC-11 eq.	3,67E-10	4,32E-12	8,62E-11	4,58E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	4,67E-08	1,61E-08	3,30E-09	6,61E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	3,76E+00	2,51E-01	2,75E-01	4,29E+00
Water scarcity potential		m^3 eq.	7,64E-01	7,47E-03	1,31E-02	7,85E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,33E+00	9,06E-01	2,29E-02	2,26E+00
	Used as raw materials	MJ, net calorific value	9,08E-01	(N/A)	(N/A)	9,08E-01
	Total	MJ, net calorific value	2,24E+00	9,06E-01	2,29E-02	3,17E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	3,76E+00	2,52E-01	2,76E-01	4,29E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	3,76E+00	2,52E-01	2,76E-01	4,29E+00

12. TENA Flex Maxi M

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,165	0,021	0,048	0,233
	Biogenic	kg CO_2 eq.	-0,107	0,000	0,137	0,030
	Land use and land transformation	kg CO_2 eq.	0,00005	0,00005	0,00017	0,00026
	Total	kg CO_2 eq.	0,058	0,021	0,185	0,263
Acidification potential (AP)		mol H^+ eq.	6,69E-04	3,95E-04	1,07E-04	1,17E-03
Eutrophication potential (EP), freshwater		kg P eq.	1,04E-05	1,11E-07	4,07E-07	1,10E-05
Eutrophication potential (EP), marine		kg N eq.	1,66E-04	9,90E-05	9,53E-05	3,61E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,62E-03	1,08E-03	5,05E-04	3,20E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	5,01E-04	2,74E-04	1,13E-04	8,88E-04
Ozone depletion potential (ODP)		CFC-11 eq.	4,23E-10	4,71E-12	9,52E-11	5,23E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	4,97E-08	1,76E-08	3,63E-09	7,09E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorofic value	4,20E+00	2,73E-01	3,02E-01	4,78E+00
Water scarcity potential		m^3 eq.	8,40E-01	8,15E-03	1,43E-02	8,62E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorofic value	1,49E+00	9,89E-01	2,51E-02	2,50E+00
	Used as raw materials	MJ, net calorofic value	1,00E+00	(N/A)	(N/A)	1,00E+00
	Total	MJ, net calorofic value	2,49E+00	9,89E-01	2,51E-02	3,51E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorofic value	4,21E+00	2,74E-01	3,02E-01	4,78E+00
	Used as raw materials	MJ, net calorofic value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorofic value	4,21E+00	2,74E-01	3,02E-01	4,78E+00

13. TENA Flex Maxi L

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,195	0,025	0,056	0,276
	Biogenic	kg CO_2 eq.	-0,121	0,000	0,155	0,034
	Land use and land transformation	kg CO_2 eq.	0,00005	0,00006	0,00019	0,00031
	Total	kg CO_2 eq.	0,074	0,025	0,211	0,310
Acidification potential (AP)		mol H^+ eq.	7,79E-04	4,69E-04	1,25E-04	1,37E-03
Eutrophication potential (EP), freshwater		kg P eq.	1,24E-05	1,31E-07	4,88E-07	1,30E-05
Eutrophication potential (EP), marine		kg N eq.	1,93E-04	1,17E-04	1,10E-04	4,20E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,90E-03	1,28E-03	5,86E-04	3,76E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	5,86E-04	3,25E-04	1,30E-04	1,04E-03
Ozone depletion potential (ODP)		CFC-11 eq.	4,78E-10	5,56E-12	1,09E-10	5,93E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	6,03E-08	2,08E-08	4,18E-09	8,52E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	5,00E+00	3,23E-01	3,50E-01	5,67E+00
Water scarcity potential		m^3 eq.	1,00E+00	9,63E-03	1,69E-02	1,03E+00

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,72E+00	1,17E+00	2,92E-02	2,92E+00
	Used as raw materials	MJ, net calorific value	1,16E+00	(N/A)	(N/A)	1,16E+00
	Total	MJ, net calorific value	2,87E+00	1,17E+00	2,92E-02	4,07E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	5,00E+00	3,24E-01	3,51E-01	5,68E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	5,00E+00	3,24E-01	3,51E-01	5,68E+00

14. TENA Flex Maxi XL

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,255	0,032	0,073	0,360
	Biogenic	kg CO_2 eq.	-0,157	0,000	0,202	0,045
	Land use and land transformation	kg CO_2 eq.	0,00007	0,00008	0,00025	0,00040
	Total	kg CO_2 eq.	0,097	0,032	0,276	0,405
Acidification potential (AP)		mol H^+ eq.	1,03E-03	6,03E-04	1,61E-04	1,80E-03
Eutrophication potential (EP), freshwater		kg P eq.	1,57E-05	1,71E-07	6,25E-07	1,65E-05
Eutrophication potential (EP), marine		kg N eq.	2,54E-04	1,51E-04	1,44E-04	5,49E-04
Eutrophication potential (EP), terrestrial		mol N eq.	2,50E-03	1,64E-03	7,59E-04	4,90E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	7,72E-04	4,18E-04	1,70E-04	1,36E-03
Ozone depletion potential (ODP)		CFC-11 eq.	5,69E-10	7,26E-12	1,44E-10	7,20E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	7,45E-08	2,71E-08	5,48E-09	1,07E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	6,59E+00	4,19E-01	4,52E-01	7,46E+00
Water scarcity potential		m^3 eq.	1,22E+00	1,26E-02	2,19E-02	1,25E+00

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	2,29E+00	1,52E+00	3,78E-02	3,85E+00
	Used as raw materials	MJ, net calorific value	1,53E+00	(N/A)	(N/A)	1,53E+00
	Total	MJ, net calorific value	3,82E+00	1,52E+00	3,78E-02	5,39E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	6,60E+00	4,20E-01	4,53E-01	7,47E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	6,60E+00	4,20E-01	4,53E-01	7,47E+00

15. TENA Flex Ultima S

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,166	0,023	0,048	0,237
	Biogenic	kg CO_2 eq.	-0,117	0,000	0,149	0,032
	Land use and land transformation	kg CO_2 eq.	0,00004	0,00005	0,00018	0,00027
	Total	kg CO_2 eq.	0,049	0,023	0,198	0,270
Acidification potential (AP)		mol H^+ eq.	6,70E-04	4,43E-04	1,14E-04	1,23E-03
Eutrophication potential (EP), freshwater		kg P eq.	1,15E-05	1,19E-07	4,28E-07	1,21E-05
Eutrophication potential (EP), marine		kg N eq.	1,69E-04	1,11E-04	1,03E-04	3,83E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,65E-03	1,20E-03	5,35E-04	3,38E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	5,10E-04	3,07E-04	1,20E-04	9,37E-04
Ozone depletion potential (ODP)		CFC-11 eq.	4,04E-10	5,05E-12	1,05E-10	5,14E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	5,36E-08	1,88E-08	3,94E-09	7,63E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	4,11E+00	2,98E-01	3,19E-01	4,73E+00
Water scarcity potential		m^3 eq.	8,59E-01	8,74E-03	1,53E-02	8,83E-01

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,58E+00	1,06E+00	2,65E-02	2,66E+00
	Used as raw materials	MJ, net calorific value	1,11E+00	(N/A)	(N/A)	1,11E+00
	Total	MJ, net calorific value	2,68E+00	1,06E+00	2,65E-02	3,77E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	4,12E+00	2,98E-01	3,20E-01	4,73E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	4,12E+00	2,98E-01	3,20E-01	4,73E+00

16. TENA Flex Ultima M

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,188	0,025	0,054	0,267
	Biogenic	kg CO_2 eq.	-0,125	0,000	0,160	0,035
	Land use and land transformation	kg CO_2 eq.	0,00005	0,00006	0,00020	0,00031
	Total	kg CO_2 eq.	0,063	0,025	0,215	0,303
Acidification potential (AP)		mol H^+ eq.	7,51E-04	4,83E-04	1,26E-04	1,36E-03
Eutrophication potential (EP), freshwater		kg P eq.	1,27E-05	1,31E-07	4,81E-07	1,33E-05
Eutrophication potential (EP), marine		kg N eq.	1,89E-04	1,21E-04	1,12E-04	4,22E-04
Eutrophication potential (EP), terrestrial		mol N eq.	1,84E-03	1,31E-03	5,92E-04	3,74E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	5,70E-04	3,34E-04	1,32E-04	1,04E-03
Ozone depletion potential (ODP)		CFC-11 eq.	4,76E-10	5,57E-12	1,12E-10	5,94E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	6,05E-08	2,08E-08	4,28E-09	8,56E-08
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	4,72E+00	3,27E-01	3,54E-01	5,41E+00
Water scarcity potential		m^3 eq.	9,90E-01	9,64E-03	1,69E-02	1,02E+00

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	1,72E+00	1,17E+00	2,94E-02	2,92E+00
	Used as raw materials	MJ, net calorific value	1,19E+00	(N/A)	(N/A)	1,19E+00
	Total	MJ, net calorific value	2,91E+00	1,17E+00	2,94E-02	4,11E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	4,73E+00	3,28E-01	3,54E-01	5,41E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	4,73E+00	3,28E-01	3,54E-01	5,41E+00

17. TENA Flex Ultima L

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,220	0,030	0,063	0,313
	Biogenic	kg CO_2 eq.	-0,146	0,000	0,188	0,042
	Land use and land transformation	kg CO_2 eq.	0,00006	0,00007	0,00023	0,00036
	Total	kg CO_2 eq.	0,074	0,030	0,252	0,355
Acidification potential (AP)		mol H^+ eq.	8,78E-04	5,76E-04	1,47E-04	1,60E-03
Eutrophication potential (EP), freshwater		kg P eq.	1,50E-05	1,56E-07	5,64E-07	1,57E-05
Eutrophication potential (EP), marine		kg N eq.	2,20E-04	1,44E-04	1,32E-04	4,96E-04
Eutrophication potential (EP), terrestrial		mol N eq.	2,16E-03	1,56E-03	6,90E-04	4,41E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	6,69E-04	3,98E-04	1,55E-04	1,22E-03
Ozone depletion potential (ODP)		CFC-11 eq.	5,31E-10	6,60E-12	1,34E-10	6,71E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	7,09E-08	2,46E-08	5,05E-09	1,01E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	5,53E+00	3,89E-01	4,12E-01	6,33E+00
Water scarcity potential		m^3 eq.	1,15E+00	1,14E-02	1,99E-02	1,18E+00

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	2,05E+00	1,39E+00	3,42E-02	3,47E+00
	Used as raw materials	MJ, net calorific value	1,42E+00	(N/A)	(N/A)	1,42E+00
	Total	MJ, net calorific value	3,47E+00	1,39E+00	3,42E-02	4,89E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	5,54E+00	3,90E-01	4,13E-01	6,34E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	5,54E+00	3,90E-01	4,13E-01	6,34E+00

18. TENA Flex Ultima XL

one absorbent product

Environmental impact category

Parameter		Unit	Upstream	Core	Downstream	Total
Global warming potential (GWP)	Fossil	kg CO_2 eq.	0,277	0,038	0,079	0,394
	Biogenic	kg CO_2 eq.	-0,201	0,000	0,258	0,057
	Land use and land transformation	kg CO_2 eq.	0,00008	0,00009	0,00029	0,00046
	Total	kg CO_2 eq.	0,076	0,038	0,337	0,451
Acidification potential (AP)		mol H^+ eq.	1,16E-03	7,28E-04	1,88E-04	2,07E-03
Eutrophication potential (EP), freshwater		kg P eq.	1,85E-05	2,00E-07	6,73E-07	1,93E-05
Eutrophication potential (EP), marine		kg N eq.	2,88E-04	1,82E-04	1,77E-04	6,47E-04
Eutrophication potential (EP), terrestrial		mol N eq.	2,80E-03	1,98E-03	8,89E-04	5,66E-03
Formation potential of tropospheric ozone (POCP)		kg NMVOC eq.	8,67E-04	5,04E-04	2,03E-04	1,57E-03
Ozone depletion potential (ODP)		CFC-11 eq.	6,31E-10	8,45E-12	1,84E-10	8,24E-10
Abiotic depletion potential - Minerals and metals (ADP-elements)		kg Sb eq.	8,01E-08	3,15E-08	6,78E-09	1,18E-07
Abiotic depletion potential - Fossil fuels (ADP-fossil fuels)		MJ, net calorific value	6,93E+00	4,96E-01	5,27E-01	7,96E+00
Water scarcity potential		m^3 eq.	1,30E+00	1,46E-02	2,49E-02	1,34E+00

Resources

Parameter		Unit	Upstream	Core	Downstream	Total
Primary energy resources - Renewable	Used as energy carrier	MJ, net calorific value	2,80E+00	1,77E+00	4,38E-02	4,62E+00
	Used as raw materials	MJ, net calorific value	1,96E+00	(N/A)	(N/A)	1,96E+00
	Total	MJ, net calorific value	4,76E+00	1,77E+00	4,38E-02	6,58E+00
Primary energy resources - Non-renewable	Used as energy carrier	MJ, net calorific value	6,94E+00	4,97E-01	5,28E-01	7,96E+00
	Used as raw materials	MJ, net calorific value	(N/A)	(N/A)	(N/A)	(N/A)
	Total	MJ, net calorific value	6,94E+00	4,97E-01	5,28E-01	7,96E+00

References

1. PCR 2011:14 v. 3.01
2. General Programme Instructions for the International EPD® System v. 4.01
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 14020:2022 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
9	All TENA Flex articles approved according Nordic Ecolabel License 3023 0069. Correction of spelling: art no on page 5, 7249960 changed to 724960
10	All LCA calculations recalculated according new GPI on updated specifications. Exchanged some photos.

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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 are continuously reducing the carbon footprint of our absorbent product assortments over the whole product life cycle.

We strive for sustainable continence care with better products.
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