

# Ecolite Mailers

from



## Environmental Product Declaration

In accordance with ISO 14025

<b>PROGRAMME:</b>	The International EPD® System, <a href="http://www.environdec.com">www.environdec.com</a>
<b>PROGRAMME OPERATOR:</b>	EPD International AB
<b>EPD REGISTRATION NUMBER:</b>	S-P-11767
<b>PUBLICATION DATE:</b>	2024-12-10
<b>VALID UNTIL:</b>	2029-12-09



The environmental impacts of different EPDs can be compared only taking into account all the technical information supporting the declared/functional unit definition as requested by the PCR.

An EPD should provide current information and may be updated if conditions change.

The stated validity is therefore subject to the continued registration and publication at [www.environdec.com](http://www.environdec.com).



# EPD Programme Information



Programme:

The International EPD® System  
EPD International AB  
Box 210 60  
SE-100 31 Stockholm  
Sweden  
[www.environdec.com](http://www.environdec.com)  
[info@environdec.com](mailto:info@environdec.com)

Owner of the EPD: IPG  
Contact: [sustainability@itape.com](mailto:sustainability@itape.com)

The EPD owner has the sole ownership, liability, and responsibility for the EPD. EPDs within the same product category but from different programs may not be comparable.

Product category rules (PCR): Packaging PCR 2019:13 Version 1.1.3 Valid until: 2025-05-08

PCR review was conducted by: Anna Bortoluzzi, Università degli Studi di Milano - Department of Chemistry, [anna.bortoluzzi@unimi.it](mailto:anna.bortoluzzi@unimi.it)

Independent third-party verification of the declaration and data, according to ISO 14025:2006:

EPD process certification     EPD verification

Third party verifier: Maggie Wildnauer  
WAP Sustainability Consulting

In case of recognised individual verifiers:  
Approved by: The International EPD® System

Procedure for follow-up of data during EPD validity involves third party verifier:

Yes     No

# Ecolite Mailer



# IPG Company Information

Company  
Company Info  
Our  
Commitment



Product  
Product Info  
LCA Info



Content  
Declaration  
ELSS4  
ELSS5  
ELSS6



Environmental  
Performance  
ELSS4  
ELSS5  
ELSS6



Additional  
Information  
References



Headquartered in Sarasota, Florida, IPG is a global provider of packaging and protective solutions across a diversified set of geographies and end-markets. The Company develops, manufactures, and sells a variety of solutions including paper and film-based pressure-sensitive and water-activated tapes, stretch and shrink films, protective packaging, woven and non-woven products and packaging machinery.

## Name and location of production site:

Ecolite Mailer product line is manufactured at IPG facilities located at 808 E 113th St, Chicago, IL 60628, United States and 330 Humberline Dr, Etobicoke, ON M9W 1R5.



IPG Corporate Headquarters, Sarasota, Florida



IPG Facility, Chicago, Illinois



IPG Facility, Toronto, Ontario



# Our Locations

Company  
Company Info  
Our  
Commitment



Product  
Product Info  
LCA Info



Content  
Declaration  
ELSS4  
ELSS5  
ELSS6



Environmental  
Performance  
ELSS4  
ELSS5  
ELSS6



Additional  
Information  
References



## NORTH AMERICA

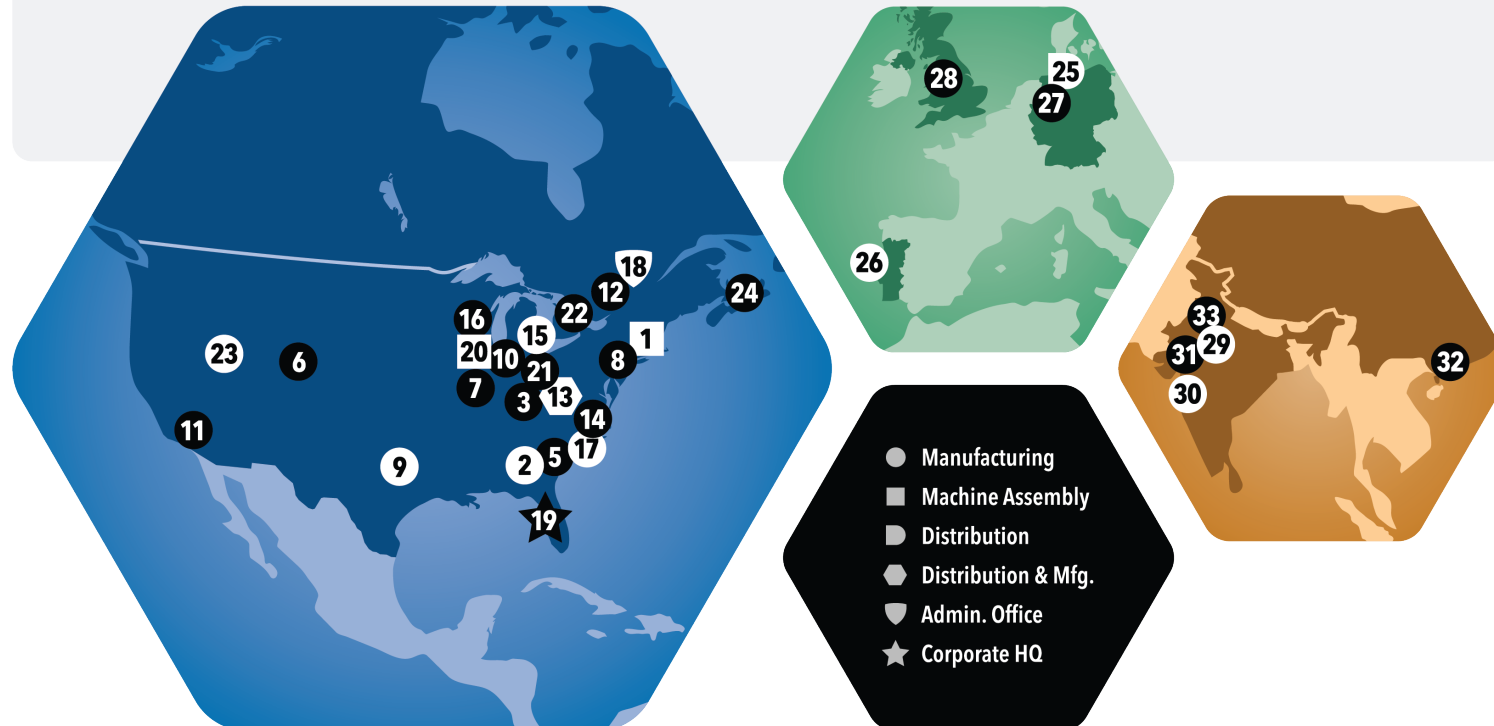
- |                      |                   |                    |
|----------------------|-------------------|--------------------|
| 1. Ansonia, CT       | 8. Carlstadt, NJ  | 14. Everetts, NC   |
| 2. Atlanta, GA       | 9. Carrollton, TX | 15. Marysville, MI |
| 3. Bardstown, KY (2) | 10. Chicago, IL   | 16. Menasha, WI    |
| 5. Blythewood, SC    | 11. Corona, CA    | 17. Midland, NC    |
| 6. Brighton, CO      | 12. Cornwall, ON  | 18. Montreal, QC   |
| 7. Carbondale, IL    | 13. Danville, VA  | 19. Sarasota, FL   |

## EUROPE

- |                     |                        |
|---------------------|------------------------|
| 20. Schaumburg, IL  | 25. Flensburg, Germany |
| 21. Springfield, OH | 26. Porto, Portugal    |
| 22. Toronto, ON     | 27. Soest, Germany     |
| 23. Tremonton, UT   | 28. Widnes, UK         |
| 24. Truro, NS       |                        |

## ASIA

- |                          |
|--------------------------|
| 29. Chopanki, India      |
| 30. Daman, India         |
| 31. Dahej, India         |
| 32. Jiangmen City, China |
| 33. Karoli, India        |



# Our Vision

Company  
Company Info  
Our  
Commitment



Product  
Product Info  
LCA Info



Content  
Declaration  
ELSS4  
ELSS5  
ELSS6



Environmental  
Performance  
ELSS4  
ELSS5  
ELSS6



Additional  
Information  
References



**VISION<sup>®</sup>**  
**ipg**

— TO BE THE —  
**GLOBAL LEADER**  
— IN —  
**PACKAGING**  
— AND —  
**PROTECTIVE**  
— SOLUTIONS —

**VALUES**

PASSION PEOPLE INTEGRITY  
PERFORMANCE TEAMWORK

**STRATEGY**

STRENGTHEN THE PRODUCT BUNDLE EXPAND THE GLOBAL FOOTPRINT  
EMBRACE SUSTAINABILITY DRIVE OPERATIONAL EXCELLENCE

# Our Commitment

Company  
Company Info  
Our  
Commitment



Product  
Product Info  
LCA Info



Content  
Declaration  
ELSS4  
ELSS5  
ELSS6



Environmental  
Performance  
ELSS4  
ELSS5  
ELSS6



Additional  
Information  
References



"Intertape Polymer Group (IPG) is a leader in providing packaging and protective solutions. We strive to lead in sustainability, reducing our carbon footprint and designing and delivering sustainable products that meet our customers' needs."

*Peter Durette, CEO, IPG*

IPG subscribes to externally developed economic, environmental, and social charters, principles and other initiatives that align with our sustainability efforts.



# Working with Experts

Company  
Company Info  
Our  
Commitment



Product  
Product Info  
LCA Info



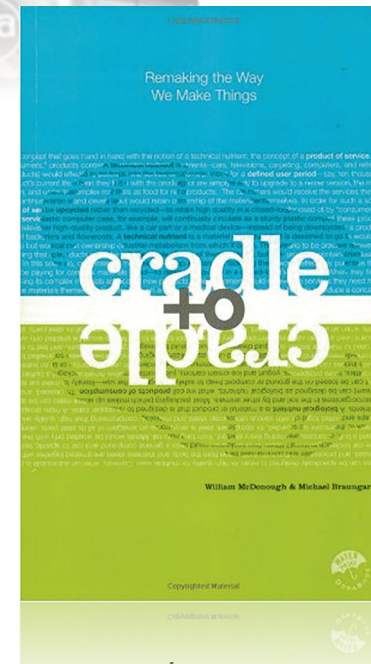
Content  
Declaration  
ELSS4  
ELSS5  
ELSS6



Environmental  
Performance  
ELSS4  
ELSS5  
ELSS6



Additional  
Information  
References

Worked closely with William McDonough

- Author of *Cradle to Cradle*
- Focused on the circular economy
- Complex evaluations and monitoring for improvement

*"Making the transition from less bad to more good"*

Jay Bolus, VP Sustainability, IPG





# Our Circular Economy

## Eliminating the concept of waste

Our Sustainable Product Design and Development Vision Statement directs the application of “safe and circular” concepts to our products’ design and development. We are committed to eliminating toxic substances from new and existing products and incorporating recycled and renewable materials while maintaining product performance. Achieving a circular economy is a long-term objective, and we are dedicated to working towards it.

The Circular Economy emulates natural life cycles and eliminates the concept of waste so all products and their components become “food” for other systems- either biological (returning to nature) or technical (returning to industry).



Company  
Company Info  
Our  
Commitment

Product  
Product Info  
LCA Info

Content  
Declaration  
ELSS4  
ELSS5  
ELSS6

Environmental  
Performance  
ELSS4  
ELSS5  
ELSS6

Additional  
Information  
References

# Our Climate Commitments



## Powering with abundant clean energy

At IPG, we understand the fundamental role we play in ensuring the transition to a zero- carbon economy. We have committed to

- Obtain 50% of our energy from renewable sources by 2030 and reduce energy intensity by 2.5% per year.
- Reduce CO2 emissions by 3% per year
- Reach net carbon zero by 2040 as part of The Climate Pledge,
- Reduce portfolio-wide Scope 1 and 2 greenhouse gas emissions by at least 50% by 2032.
- Reduce absolute scope 3 GHG emissions from purchased good and services, use of sold products and end-of-life treatment of sold products 42% by 2030 from a 2021 base year.

Our energy use drives our carbon emissions, and reductions in fossil fuel use are critical to meet our goals. We continue to execute plans to meet our climate goals, including

- Exploring onsite solar opportunities at several facilities, and power purchase agreements at others
- Participating in DOE Better Climate and Better Plants Challenges, ENERGY STAR Challenge for Industry and CEBA, the Clean Energy Buyers Alliance
- Acting on the opportunities identified in annual energy treasure hunts
- Working to quantify scope 3 emissions

For more information about IPG’s progress towards our climate goals, please see our annual Corporate Sustainability Reports at [www.itape.com/Sustainability-Documents](http://www.itape.com/Sustainability-Documents)



# Product Information

Company  
[Company Info](#)  
[Our Commitment](#)



Product  
[Product Info](#)  
[LCA Info](#)



Content  
Declaration

[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Environmental  
Performance

[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Additional  
Information  
[References](#)



## Product

**Product name:** Ecolite Mailer

**Product description:**

Ecolite bubble mailers provide outstanding low-cost shipping protection for a wide variety of products. Ecolite mailers are made with a golden kraft outer layer and an inside layer of Duraliner Bubble.

**UN CPC code:**

UN CPC 3215

**Geographical scope:**

North America



# Product Information

- Company
  - [Company Info](#)
  - [Our Commitment](#)
- Product
  - [Product Info](#)
  - [LCA Info](#)
- Content Declaration
  - [ELSS4](#)
  - [ELSS5](#)
  - [ELSS6](#)
- Environmental Performance
  - [ELSS4](#)
  - [ELSS5](#)
  - [ELSS6](#)
- Additional Information
  - [References](#)



Product	IPG Production Facility	Dimensions
ELSS4 Mailer	Chicago, IL Toronto, ON	Opening (in) - 9.5" Depth (in) - 13.875" Lip Size (in) - 1.25" Fin (in) - 0.4375"
ELSS5 Mailer	Chicago, IL Toronto, ON	Opening (in) - 10.5" Depth (in) - 15.375" Lip Size (in) - 1.25" Fin (in) - 0.4375"
ELSS6 Mailer	Chicago, IL Toronto, ON	Opening (in) - 12.5" Depth (in) - 18.375" Lip Size (in) - 1.25" Fin (in) - 0.4375"



# LCA Information

Company  
[Company Info](#)  
[Our  
Commitment](#)



Product  
[Product Info](#)  
[LCA Info](#)



Content  
Declaration

[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Environmental  
Performance

[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Additional  
Information  
[References](#)



**Chicago results are representing the impacts of products made at both facilities.**

**Functional unit / declared unit:**

per one mailer

**Reference service life:**

single use

**Internal volume:**

ELSS4: 0.00460 m<sup>3</sup>

ELSS5: 0.00624 m<sup>3</sup>

ELSS6: 0.0106 m<sup>3</sup>

**Capacity:**

2.3 kg max for all mailer sizes

**Compression and destacking values:**

Compression and stacking values required by the reference PCR are not shown because they are not considered relevant by the market/customer to define the function of the product subject to this EPD.

**Time representativeness:**

Primary data for electricity and scrap rate at IPG production facility and material composition and supplier information from 2022.

**Database(s) and LCA software used:**

LCA for Experts f.k.a. GaBi LCA Software version 10.6.0.110

Sphera database 2023, US LCI Database 2022

Chicago results have highest impacts

# LCA Information

- Company  
[Company Info](#)  
[Our Commitment](#)
- Product  
[Product Info](#)  
[LCA Info](#)
- Content Declaration  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)
- Environmental Performance  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)
- Additional Information  
[References](#)

## Description of system boundaries:

Life cycle stage	Life cycle module	Life cycle module group	EPD Type
			Functional Unit: Cradle-Grave
Upstream	A1) Raw material supply	A1-A3) Product stage	Declared
	A2) Transport		Declared
	A3) Manufacturing		Declared
Downstream	A4) Transport to forming or filling	A4-A5) Forming stage	Module not declared, MND
	A5) Forming		Module not declared, MND
	B1) Filling operation	B1-B5) Use stage	Declared
	B2) Distribution of filled packaging		Declared
	B3) Transport to reconditioning		Module not declared, MND
	B4) Reconditioning		Module not declared, MND
	B5) Transport to re-filling point		Module not declared, MND
	C1) Disassembling/sorting	C1-C3) End of life stage	Declared
	C2) Transport to recovery/disposal		Declared
C3) Final disposal	Declared		

**Excluded lifecycle stages:** Downstream Module

**A4) Transport to Forming or Filling (Module Not Declared, MND)**

Product is sold unfilled to the final consumer and shipped to distributor from manufacturing facility

**A5) Packaging Forming (Module Not Declared, MND)**

Product is formed during manufacturing

**B3) Transport to Reconditioning (Module Not Declared, MND)**

Product is single use

**B4) Reconditioning (Module Not Declared, MND)**

Product is single use

**B5) Transport to Re-Filling Point (Module Not Declared, MND)**

Product is single use



# LCA Information Ecolite Mailer Process System Diagram

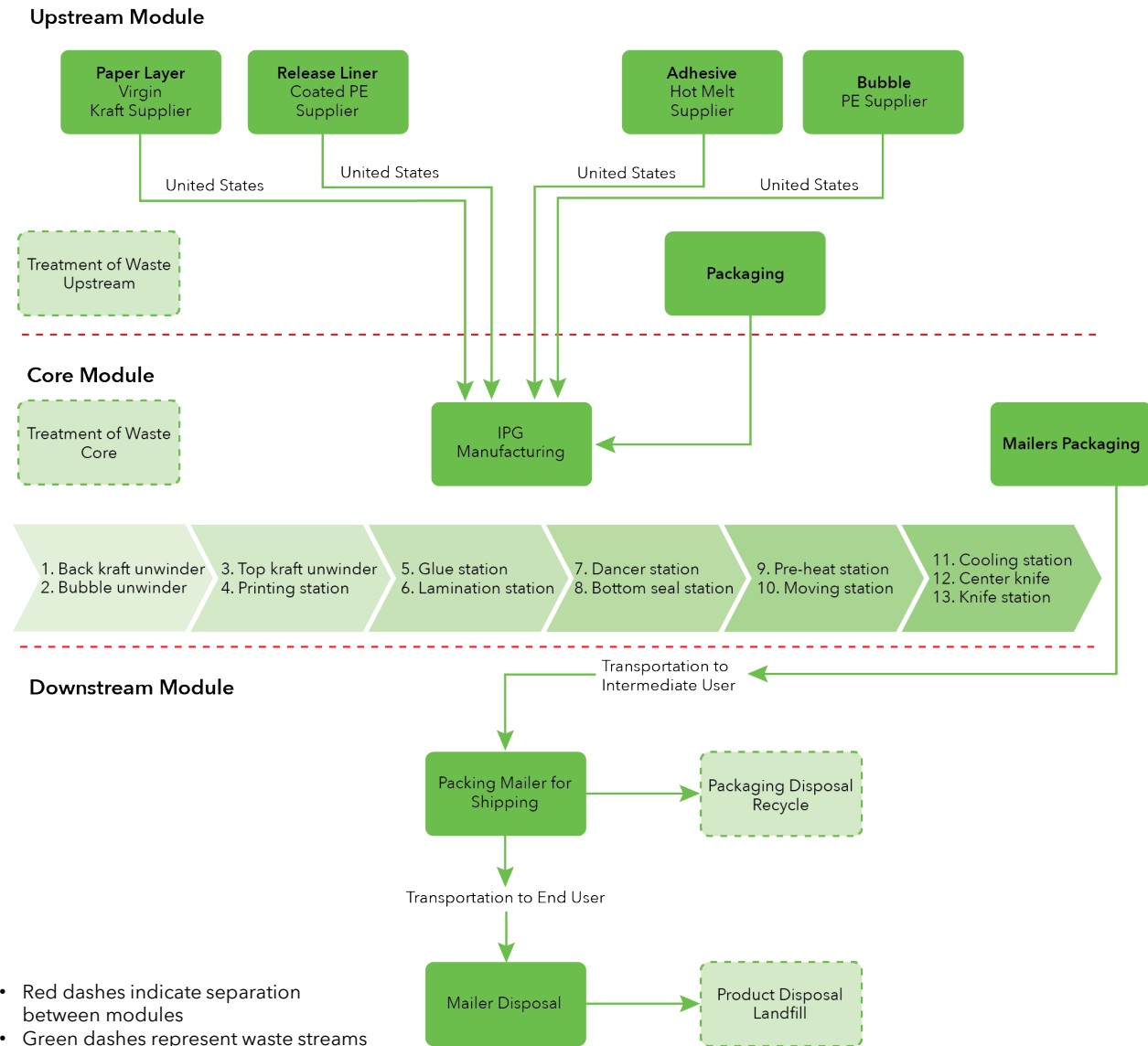
Company  
[Company Info](#)  
[Our Commitment](#)

Product  
[Product Info](#)  
[LCA Info](#)

Content Declaration  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)

Environmental Performance  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)

Additional Information  
[References](#)



- Red dashes indicate separation between modules
- Green dashes represent waste streams



# Content Declaration: ELSS4 Mailer

Company  
[Company Info](#)  
[Our Commitment](#)



Product  
[Product Info](#)  
[LCA Info](#)



Content Declaration  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Environmental Performance  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Additional Information  
[References](#)



## Product

### Materials / chemical substances



Virgin Kraft Paper

**59%**

**kg** 0.0158  
per mailer



Polyethylene (PE)

**39%**

**kg** 0.0106  
per mailer



Hot Melt Adhesive

**1%**

**kg** 0.0003  
per mailer



Coated Polyethylene (PE)

**1%**

**kg** 0.00024  
per mailer

## Packaging

### Distribution/Consumer packaging:

Corrugated cardboard box weighing 0.00730 kg per mailer.

## Recycled material

### Provenience of recycled materials (pre-consumer or post-consumer) in the product:

Bubble contains 25% post-consumer recycled (PCR) resin

Product contains no hazardous materials from the candidate list of SVHC





# Environmental Performance: ELSS4 Mailer

Company	
<a href="#">Company Info</a>	
<a href="#">Our Commitment</a>	
Product	
<a href="#">Product Info</a>	
<a href="#">LCA Info</a>	
Content Declaration	
<a href="#">ELSS4</a>	
<a href="#">ELSS5</a>	
<a href="#">ELSS6</a>	
Environmental Performance	
<a href="#">ELSS4</a>	
<a href="#">ELSS5</a>	
<a href="#">ELSS6</a>	
Additional Information	
<a href="#">References</a>	

Indicator name	Unit	Module			
<b>Core environmental impact indicators</b>		<b>Upstream</b>	<b>Core</b>	<b>Downstream</b>	<b>Total</b>
Climate Change - total	kg CO <sub>2</sub> eq.	3.00E-02	1.02E-02	2.08E-02	6.10E-02
Climate Change - fossil	kg CO <sub>2</sub> eq.	4.54E-02	1.00E-02	1.43E-02	6.97E-02
Climate Change - biogenic	kg CO <sub>2</sub> eq.	-1.53E-02	2.09E-04	6.48E-03	-8.61E-03
Climate Change - LULUC	kg CO <sub>2</sub> eq.	1.52E-05	2.70E-07	1.54E-07	1.56E-05
Ozone depletion	kg CFC-11 eq.	1.70E-10	1.30E-13	1.39E-13	1.70E-10
Acidification	Mole of H <sup>+</sup> eq.	1.59E-04	4.00E-05	6.52E-05	2.64E-04
Eutrophication, freshwater	kg P eq.	3.85E-06	5.27E-08	1.51E-06	5.41E-06
Eutrophication, marine	kg N eq.	4.95E-05	1.48E-05	3.53E-05	9.96E-05
Eutrophication, terrestrial	mol N eq.	4.97E-04	1.58E-04	2.76E-04	9.31E-04
Photochemical ozone formation	kg NMVOC eq.	1.12E-04	4.19E-05	5.65E-05	2.10E-04
Abiotic depletion potential, minerals & metals <sup>1</sup>	kg Sb eq.	4.92E-08	8.40E-10	2.23E-10	5.03E-08
Abiotic depletion potential, fossil resources <sup>1</sup>	MJ	1.07E+00	1.45E-01	8.01E-02	1.30E+00
Water use <sup>1</sup>	m <sup>3</sup> world eq. deprived	4.57E-02	8.44E-04	-7.08E-04	4.58E-02
<b>Indicators describing resource use</b>		<b>Upstream</b>	<b>Core</b>	<b>Downstream</b>	<b>Total</b>
Use of renewable primary energy as energy carrier	MJ	3.36E-02	1.30E-02	1.04E-03	4.76E-02
Use of renewable primary energy resources used as raw materials	MJ	1.58E-01	5.43E-13	2.30E-14	1.58E-01
Total use of renewable primary energy	MJ	1.92E-01	1.30E-02	1.04E-03	2.06E-01
Use of non-renewable primary energy as energy carrier	MJ	1.08E+00	1.45E-01	8.05E-02	1.31E+00
Use of non-renewable primary energy resources used as raw materials	MJ	3.18E-01	1.42E-06	7.39E-14	3.18E-01
Total use of non-renewable primary energy resource	MJ	1.40E+00	1.45E-01	8.05E-02	1.62E+00
Secondary material	kg	2.25E-03	0	0	2.25E-03
Renewable secondary fuels	MJ	0	0	0	0
Non-renewable secondary fuels	MJ	0	0	0	0
Net use of fresh water	m <sup>3</sup>	1.08E-03	2.60E-05	-1.65E-05	1.09E-03

Disclaimer 1 - The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

# Environmental Performance: ELSS4 Mailer

Company  
[Company Info](#)  
[Our Commitment](#)



Product  
[Product Info](#)  
[LCA Info](#)



Content Declaration  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Environmental Performance  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Additional Information  
[References](#)



Environmental information describing waste categories		Upstream	Core	Downstream	Total
<b>Hazardous waste disposed</b>	kg	1.34E-07	1.21E-10	3.71E-09	1.38E-07
<b>Non-hazardous waste disposed</b>	kg	5.51E-04	7.71E-04	2.34E-02	2.47E-02
<b>Radioactive waste disposed</b>	kg	1.22E-05	1.01E-05	2.14E-07	2.25E-05
Environmental information describing output flows		Upstream	Core	Downstream	Total
<b>Components for reuse</b>	kg	0	0	0	0
<b>Material for recycling</b>	kg	0	0	7.30E-03	7.30E-03
<b>Materials for energy recovery</b>	kg	0	0	0	0
<b>Exported energy, electricity</b>	MJ	0	0	0	0
<b>Exported energy, thermal</b>	MJ	0	0	0	0

Note: EN 15804 reference package based on EF 3.0

# Content Declaration: ELSS5 Mailer

Company  
[Company Info](#)  
[Our Commitment](#)



Product  
[Product Info](#)  
[LCA Info](#)



Content Declaration  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Environmental Performance  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Additional Information  
[References](#)



## Product

### Materials / chemical substances



Virgin Kraft Paper

**58%**

**kg** 0.0185  
per mailer



Polyethylene (PE)

**40%**

**kg** 0.013  
per mailer



Hot Melt Adhesive

**1%**

**kg** 0.00033  
per mailer



Coated Polyethylene (PE)

**1%**

**kg** 0.00026  
per mailer

## Packaging

### Distribution/Consumer packaging:

Corrugated cardboard box weighing 0.00703 kg per mailer.

## Recycled material

### Provenience of recycled materials (pre-consumer or post-consumer) in the product:

Bubble contains 25% post-consumer recycled (PCR) resin

Product contains no hazardous materials from the candidate list of SVHC



# Environmental Performance: ELSS5 Mailer

Company <a href="#">Company Info</a> <a href="#">Our Commitment</a>	
Product <a href="#">Product Info</a> <a href="#">LCA Info</a>	
Content Declaration <a href="#">ELSS4</a> <a href="#">ELSS5</a> <a href="#">ELSS6</a>	
Environmental Performance <a href="#">ELSS4</a> <a href="#">ELSS5</a> <a href="#">ELSS6</a>	
Additional Information <a href="#">References</a>	

Indicator name	Unit	Module			
<b>Core environmental impact indicators</b>		<b>Upstream</b>	<b>Core</b>	<b>Downstream</b>	<b>Total</b>
Climate Change - total	kg CO <sub>2</sub> eq.	3.61E-02	1.19E-02	2.46E-02	7.26E-02
Climate Change - fossil	kg CO <sub>2</sub> eq.	5.39E-02	1.17E-02	1.68E-02	8.24E-02
Climate Change - biogenic	kg CO <sub>2</sub> eq.	-1.79E-02	2.38E-04	7.72E-03	-9.94E-03
Climate Change - LULUC	kg CO <sub>2</sub> eq.	1.52E-05	3.06E-07	1.84E-07	1.57E-05
Ozone depletion	kg CFC-11 eq.	1.99E-10	1.55E-13	1.59E-13	1.99E-10
Acidification	Mole of H <sup>+</sup> eq.	1.87E-04	4.75E-05	7.61E-05	3.11E-04
Eutrophication, freshwater	kg P eq.	4.50E-06	6.03E-08	1.80E-06	6.36E-06
Eutrophication, marine	kg N eq.	5.77E-05	1.76E-05	4.14E-05	1.17E-04
Eutrophication, terrestrial	mol N eq.	5.79E-04	1.88E-04	3.22E-04	1.09E-03
Photochemical ozone formation	kg NMVOC eq.	1.31E-04	4.99E-05	6.55E-05	2.46E-04
Abiotic depletion potential, minerals & metals <sup>1</sup>	kg Sb eq.	5.55E-08	9.54E-10	2.66E-10	5.67E-08
Abiotic depletion potential, fossil resources <sup>1</sup>	MJ	1.28E+00	1.68E-01	9.25E-02	1.54E+00
Water use <sup>1</sup>	m <sup>3</sup> world eq. deprived	5.37E-02	9.58E-04	-8.43E-04	5.38E-02
<b>Indicators describing resource use</b>		<b>Upstream</b>	<b>Core</b>	<b>Downstream</b>	<b>Total</b>
Use of renewable primary energy as energy carrier	MJ	3.71E-02	1.47E-02	1.24E-03	5.30E-02
Use of renewable primary energy resources used as raw materials	MJ	1.85E-01	6.16E-13	2.74E-14	1.85E-01
Total use of renewable primary energy	MJ	2.22E-01	1.47E-02	1.24E-03	2.38E-01
Use of non-renewable primary energy as energy carrier	MJ	1.29E+00	1.68E-01	9.29E-02	1.55E+00
Use of non-renewable primary energy resources used as raw materials	MJ	3.90E-01	1.61E-06	8.80E-14	3.90E-01
Total use of non-renewable primary energy resource	MJ	1.68E+00	1.68E-01	9.29E-02	1.94E+00
Secondary material	kg	2.75E-03	0	0	2.75E-03
Renewable secondary fuels	MJ	0	0	0	0
Non-renewable secondary fuels	MJ	0	0	0	0
Net use of fresh water	m <sup>3</sup>	1.27E-03	2.95E-05	-1.96E-05	1.28E-03

Disclaimer 1 - The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

# Environmental Performance: ELSS5 Mailer

Company  
[Company Info](#)  
[Our Commitment](#)



Product  
[Product Info](#)  
[LCA Info](#)



Content Declaration  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Environmental Performance  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Additional Information  
[References](#)



Environmental information describing waste categories		Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	1.64E-07	1.38E-10	4.42E-09	1.69E-07
Non-hazardous waste disposed	kg	6.09E-04	8.81E-04	2.79E-02	2.94E-02
Radioactive waste disposed	kg	1.44E-05	1.14E-05	2.55E-07	2.61E-05
Environmental information describing output flows		Upstream	Core	Downstream	Total
Components for reuse	kg	0	0	0	0
Material for recycling	kg	0	0	7.03E-03	7.03E-03
Materials for energy recovery	kg	0	0	0	0
Exported energy, electricity	MJ	0	0	0	0
Exported energy, thermal	MJ	0	0	0	0

Note: EN 15804 reference package based on EF 3.0

# Content Declaration: ELSS6 Mailer

Company  
[Company Info](#)  
[Our Commitment](#)



Product  
[Product Info](#)  
[LCA Info](#)



Content Declaration  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Environmental Performance  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Additional Information  
[References](#)



## Product

### Materials / chemical substances



Virgin Kraft Paper

**58%**

**kg** 0.0257  
per mailer



Polyethylene (PE)

**40%**

**kg** 0.0181  
per mailer



Hot Melt Adhesive

**1%**

**kg** 0.0004  
per mailer



Coated Polyethylene (PE)

**1%**

**kg** 0.0003  
per mailer

## Packaging

### Distribution/Consumer packaging:

Corrugated cardboard box weighing 0.0119 kg per mailer.

## Recycled material

### Provenience of recycled materials (pre-consumer or post-consumer) in the product:

Bubble contains 25% post-consumer recycled (PCR) resin

Product contains no hazardous materials from the candidate list of SVHC



# Environmental Performance: ELSS6 Mailer

Company <a href="#">Company Info</a> <a href="#">Our Commitment</a>	
Product <a href="#">Product Info</a> <a href="#">LCA Info</a>	
Content Declaration <a href="#">ELSS4</a> <a href="#">ELSS5</a> <a href="#">ELSS6</a>	
Environmental Performance <a href="#">ELSS4</a> <a href="#">ELSS5</a> <a href="#">ELSS6</a>	
Additional Information <a href="#">References</a>	

Indicator name	Unit	Module			
<b>Core environmental impact indicators</b>		<b>Upstream</b>	<b>Core</b>	<b>Downstream</b>	<b>Total</b>
Climate Change - total	kg CO <sub>2</sub> eq.	4.99E-02	1.53E-02	3.43E-02	9.95E-02
Climate Change - fossil	kg CO <sub>2</sub> eq.	7.48E-02	1.49E-02	2.36E-02	1.13E-01
Climate Change - biogenic	kg CO <sub>2</sub> eq.	-2.49E-02	3.42E-04	1.07E-02	-1.39E-02
Climate Change - LULUC	kg CO <sub>2</sub> eq.	2.42E-05	3.52E-07	2.55E-07	2.48E-05
Ozone depletion	kg CFC-11 eq.	2.76E-10	2.15E-13	2.28E-13	2.76E-10
Acidification	Mole of H <sup>+</sup> eq.	2.61E-04	6.45E-05	1.08E-04	4.34E-04
Eutrophication, freshwater	kg P eq.	6.26E-06	8.57E-08	2.50E-06	8.85E-06
Eutrophication, marine	kg N eq.	8.11E-05	2.43E-05	5.82E-05	1.64E-04
Eutrophication, terrestrial	mol N eq.	8.15E-04	2.59E-04	4.55E-04	1.53E-03
Photochemical ozone formation	kg NMVOC eq.	1.84E-04	6.86E-05	9.32E-05	3.46E-04
Abiotic depletion potential, minerals & metals <sup>1</sup>	kg Sb eq.	6.89E-08	1.09E-09	3.68E-10	7.04E-08
Abiotic depletion potential, fossil resources <sup>1</sup>	MJ	1.78E+00	2.11E-01	1.32E-01	2.12E+00
Water use <sup>1</sup>	m <sup>3</sup> world eq. deprived	7.45E-02	1.09E-03	-1.17E-03	7.44E-02
<b>Indicators describing resource use</b>		<b>Upstream</b>	<b>Core</b>	<b>Downstream</b>	<b>Total</b>
Use of renewable primary energy as energy carrier	MJ	5.04E-02	1.68E-02	1.72E-03	6.89E-02
Use of renewable primary energy resources used as raw materials	MJ	2.57E-01	7.04E-13	3.79E-14	2.57E-01
Total use of renewable primary energy	MJ	3.07E-01	1.68E-02	1.72E-03	3.26E-01
Use of non-renewable primary energy as energy carrier	MJ	1.79E+00	2.11E-01	1.33E-01	2.13E+00
Use of non-renewable primary energy resources used as raw materials	MJ	5.43E-01	1.84E-06	1.22E-13	5.43E-01
Total use of non-renewable primary energy resource	MJ	2.33E+00	2.11E-01	1.33E-01	2.68E+00
Secondary material	kg	3.85E-03	0	0	3.85E-03
Renewable secondary fuels	MJ	0	0	0	0
Non-renewable secondary fuels	MJ	0	0	0	0
Net use of fresh water	m <sup>3</sup>	1.76E-03	3.35E-05	-2.72E-05	1.77E-03

Disclaimer 1 - The results of this environmental impact indicator shall be used with care as the uncertainties on these results are high or as there is limited experience with the indicator.

# Environmental Performance: ELSS6 Mailer

Company  
[Company Info](#)  
[Our Commitment](#)



Product  
[Product Info](#)  
[LCA Info](#)



Content Declaration  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Environmental Performance  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Additional Information  
[References](#)



Environmental information describing waste categories		Upstream	Core	Downstream	Total
Hazardous waste disposed	kg	2.27E-07	1.98E-10	6.12E-09	2.33E-07
Non-hazardous waste disposed	kg	7.57E-04	1.26E-03	3.87E-02	4.07E-02
Radioactive waste disposed	kg	1.99E-05	1.31E-05	3.53E-07	3.34E-05
Environmental information describing output flows		Upstream	Core	Downstream	Total
Components for reuse	kg	0	0	0	0
Material for recycling	kg	0	0	1.19E-02	1.19E-02
Materials for energy recovery	kg	0	0	0	0
Exported energy, electricity	MJ	0	0	0	0
Exported energy, thermal	MJ	0	0	0	0

Note: EN 15804 reference package based on EF 3.0



# References

Company  
[Company Info](#)  
[Our  
Commitment](#)



EPD International (2021) General Programme Instructions for the International EPD® System. Version 4.0, dated 2021-03-29. Retrieved from [www.environdec.com](http://www.environdec.com)

Product  
[Product Info](#)  
[LCA Info](#)



ISO (2006b), ISO 14040:2006, Environmental management - Life cycle assessment - Principles and framework.

ISO (2006c), ISO 14044: 2006, Environmental management - Life cycle assessment - Requirements and guidelines.

ISO (2006a), ISO 14025:2006, Environmental labels and declarations - Type III environmental declarations - Principles and procedures.

Content  
Declaration  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



International EPD® System (2023). Packaging PCR 2019:13. Version 1.1.3.

Sphera (2024). LCA for Experts f.k.a. GaBi LCA Software LCA Software.

Owner of the EPD: IPG

Environmental  
Performance  
[ELSS4](#)  
[ELSS5](#)  
[ELSS6](#)



Contact: [sustainability@itape.com](mailto:sustainability@itape.com)

Website: [www.itape.com](http://www.itape.com)

[Product Information](#)

[Sustainability Information](#)

Additional  
Information  
References



**Thanks!**

