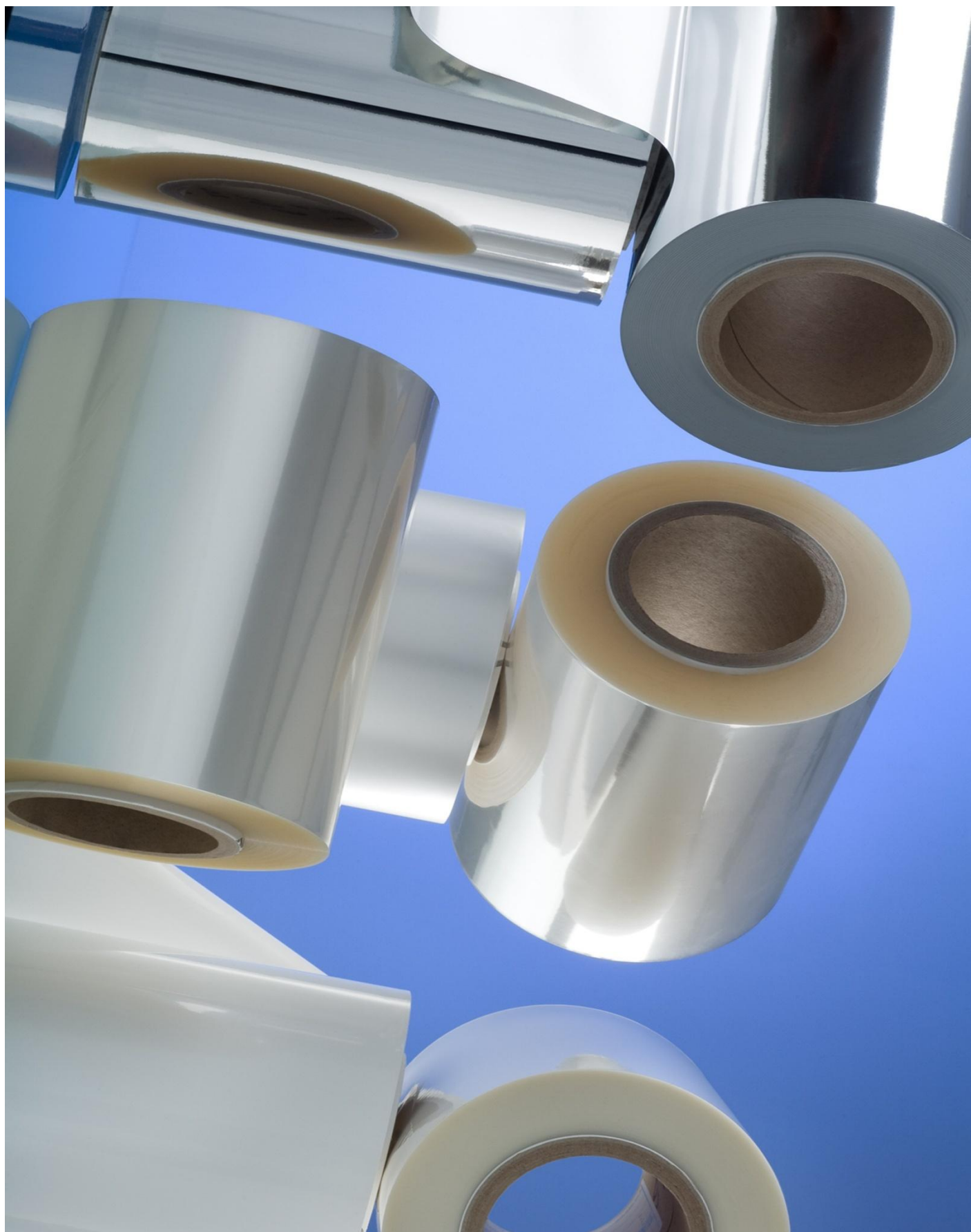


PLASTIC FILMS, EXCEPT PACKAGING
PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

PCR 2021:01
VERSION 2.0.0

VALID UNTIL 2030-09-07



PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

TABLE OF CONTENTS

1	Introduction.....	3
2	General information.....	4
2.1	Administrative information.....	4
2.2	Scope of PCR.....	5
3	Review and background information.....	7
3.1	Open consultation.....	7
3.2	PCR review.....	7
3.3	Existing PCRs for the product category.....	7
3.4	Reasoning for development of PCR.....	8
3.5	Underlying studies used for PCR development.....	8
4	LCA method.....	9
4.1	Modelling approach.....	9
4.2	Declared/functional unit.....	9
4.3	System boundary.....	9
4.4	Process flow diagram.....	12
4.5	Cut-off rules.....	12
4.6	Allocation rules.....	12
4.7	Data and data quality rules.....	13
4.8	Other LCA rules.....	13
4.9	Specific rules per life-cycle stage and module D.....	14
4.10	Environmental performance indicators.....	14
4.11	Specific rules per EPD type.....	14
5	Content of LCA report.....	16
6	Content and format of EPD.....	17
6.1	EPD languages.....	17
6.2	Units and quantities.....	17
6.3	Use of images in EPD.....	17
6.4	Sections of the EPD.....	17
7	List of abbreviations.....	19
8	References.....	20
9	Version history of PCR.....	21

1 INTRODUCTION

This document constitutes Product Category Rules (PCR) developed in the framework of the International EPD System: a programme for Environmental Product Declarations (EPD)¹ according to ISO 14025:2006, ISO 14040:2006, ISO 14044:2006, and product-specific standards, such as EN 15804 and ISO 21930 for construction products.² EPDs are voluntary documents for a company or an industry association to present transparent, consistent, and verifiable information about the environmental performance of their products (goods or services).

The General Programme Instructions (GPI), publicly available on www.environdec.com, includes the rules for the overall administration and operation of the programme and the basic rules for developing EPDs registered in the programme. A PCR complements the GPI and the normative standards by providing specific rules, and guidelines for developing an EPD for one or more specific product categories (see Figure 1), thereby enabling the generation of consistent EPDs within a product category. A PCR should not repeat the rules and guidelines of the GPI, but include additions, specifications and deviations to the rules set in the GPI. As such, a PCR shall be used together with the GPI.

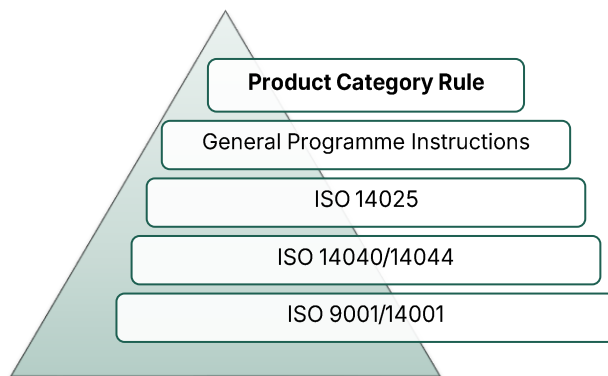


Figure 1. This PCR in relation to the hierarchy of standards and other documents.

The present PCR uses the following terminology:

- The term "shall" is used to indicate what is obligatory, i.e., a requirement.
- The term "should" is used to indicate a recommendation. Any deviation from a recommendation shall be justified in the EPD development process.
- The terms "may" or "can" are used to indicate an option that is permissible.

For definitions of other terms used in the document, see the GPI and normative standards.

Any references to this PCR shall include the PCR registration number, name, and version number.

The programme operator maintains the copyright of the PCR to ensure that it is possible to publish, update, and make it available to all organisations to develop and register EPDs. Stakeholders participating in PCR development should be acknowledged in the final document and on the website.

¹ Termed type III environmental declarations in ISO 14025.

² When standards are referred to in this document, the version listed in Section 8 is intended unless otherwise stated.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

2 GENERAL INFORMATION

2.1 ADMINISTRATIVE INFORMATION

Name:	Plastic films, except packaging
Registration number and version:	PCR 2021:01, Version 2.0.0
Programme:	 INTERNATIONAL EPD SYSTEM
Programme operator:	EPD International AB, Box 210 60, SE-100 31 Stockholm, Sweden. Website: www.environdec.com E-mail: support@environdec.com
PCR Moderator:	Marta Mancin, Aequilibria S.r.l., mmancin@aequilibria.com
PCR Committee:	Taghleef Industries S.p.A., Aequilibria S.r.l.-SB
Publication date:	2026-09-07 See Section 9 for a version history of the PCR.
Valid until:	2030-09-07 The validity may change. See www.environdec.com for the latest version of the PCR and the latest information on its validity and transition periods between versions.
Development and updates:	The PCR has been developed following ISO/TS 14027, including public consultation and review. The rules for the development and updating processes are described in Section 9 of the GPI. The PCR is valid for a pre-determined time period to ensure that it is updated at regular intervals. When the PCR is about to expire, the PCR Moderator shall initiate a discussion with the Secretariat on if and how to proceed with updating the PCR and renewing its validity. A PCR may be updated before it expires, based on changes in normative standards or provided significant and well-justified proposals for changes or amendments are presented. When there has been an update of the PCR, the new version should be used to develop EPDs. For small updates (change of third-digit version number), the previous version is normally immediately removed from the PCR library on www.environdec.com and there is no transition period. For medium updates (change of second-digit version number), the previous version of the PCR is valid in parallel during a transition period of at least 90 days, but not exceeding its previously set validity period. For large updates (change of first-digit version number), the previous version is valid in parallel during a transition period of at least 180 days, but not exceeding its previously set validity period. Stakeholder feedback on PCRs is very much encouraged. Any comments on this PCR may be sent directly to the PCR Moderator and/or the Secretariat during its development or during its period of validity.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

Standards and documents conformance:	General Programme Instructions of the International EPD System, version 5.0, based on ISO 14025 and ISO 14040/14044. ³
PCR language(s):	At the time of publication, this PCR was available in English. If the PCR is available in several languages, these are available on www.environdec.com . In case of translated versions, the English version takes precedence in case of any discrepancies.

2.2 SCOPE OF PCR

2.2.1 PRODUCT CATEGORY DEFINITION AND DESCRIPTION

This document provides Product Category Rules (PCR) for the assessment of the environmental performance of semi-finished single-purpose and multi-purpose films, except films used directly as packaging and the declaration of this performance by an EPD. For packaging products, PCR 2019:13 for packaging shall be used instead.

The product category corresponds to subsets of UN CPC Subclass 36330 and 36390:

- Division: 36 – Rubber and plastics products
 - Group: 363 – Semi-manufactures of plastics
 - Class: 3633 and **Subclasses: 36330 "Plates, sheets, film, foil and strip, of plastics, not self-adhesive, non-cellular and not reinforced, laminated, supported or similarly combined with other materials"**
 - Class: 3639 and **Subclasses: 36390 "Other plates, sheets, film, foil and strip, of plastics"**

More information about the product group and the United Nations Statistics Division - Classification Registry CPC codes can be found on <https://unstats.un.org/unsd/classifications/Econ/CPC>.

The product group and UN CPC code shall be specified in the EPD.

Films used directly and exclusively for packaging are excluded from the scope of this PCR. For such films, PCR 2019:13 Packaging shall be used.

The product covered by this PCR are single-layer and multi-layer films, produced by extrusion (not matching) of thermoplastics polymer granule and bioplastic polymer granule based by sequential or simultaneous stretching.

The product scope is delimited by the following technical criteria:

- Polymers: Thermoplastic polymer granules and bioplastic polymer granules (including but not limited to PP, PE, PLA);
- Manufacturing process: E.g., extrusion, with sequential or simultaneous stretching;
- Structure: Single-layer and multi-layer films (including monoweb and laminated structures);
- Thickness: Thin planar products within the film thickness limit defined by ISO 472:2013 (indicatively up to 0.25 mm);
- Function: Films for food-contact and non-food-contact applications, suitable for lamination and/or further converting, including label and technical films.

Films used directly and exclusively for packaging, and products falling outside these parameters, are excluded from the scope (see above).

Examples of products included in the scope of the PCR:

- Biaxially oriented polypropylene and polyethylene films (BoPP and BoPE),
- Cast polypropylene films (CPP),
- Biaxially oriented polylactic acid and biodegradable films (BoPLA),

³ Some rules influencing EPD development are independent of the GPI version referred to in the PCR. For example, the latest rules on EPD verification procedures in the GPI shall be followed within 90 days of its publication. See Section 5.1 in the GPI for a description of the four categories of rules and when they shall be followed.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

- Stretch films,
- Technical films,
- Monoweb and laminated structures blown films (PP and PE).

These films are suitable for the following purpose:

- Food contact and non-food contact applications, suitable for lamination and or further converting⁴,
- Labels films,
- Technical applications.

Definition of film, according to ISO 472:2013:

"Thin planar product of arbitrarily limited maximum thickness, the thickness being very small compared to the length and width.

Note 1 to entry: The arbitrary thickness limit differs from country to country and often from material to material, but in some cases is 0.25 mm."

2.2.2 GEOGRAPHICAL SCOPE

This PCR may be used globally.

2.2.3 EPD VALIDITY

An EPD becomes valid as of its version date (see Section 8.4.5 of the GPI). When an EPD is originally published, the validity period is normally five years starting from the version date or until the EPD has been de-registered from the International EPD System. Shorter validity periods are also accepted, for example if decided by the EPD owner.

For rules on when an EPD shall be updated and re-verified during its validity, see Section 6.8.1 of the GPI. For validity periods in case of updates of EPDs, see Section 6.8 of the GPI.

The version date and the period of validity shall be stated in the EPD.

Publication of a new version of the PCR or the GPI does not affect the validity of already published EPDs.

⁴ Films that are directly useful as "food packaging" are not part of the scope of this PCR.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

3 REVIEW AND BACKGROUND INFORMATION

This PCR was developed in accordance with the PCR development process described in the GPI of the International EPD System, including open consultation and review.

3.1 OPEN CONSULTATION

3.1.1 VERSION 1.0.0

Version 1.0.0 of this PCR was available for open consultation from 2020-08-12 until 2021-10-12, during which any stakeholder was able to provide comments by contacting the PCR Moderator and/or the Secretariat.

Stakeholders were invited via e-mail or other means to take part in the open consultation and were encouraged to forward the invitation to other relevant stakeholders. The following stakeholders provided comments during the open consultation and agreed to be listed as contributors in the PCR and on www.environdec.com:

- Anna Bortoluzzi, Quota Sette Srl
- Carrie Pearson, M3

3.1.2 VERSION 2.0.0

Version 2.0.0 of this PCR was available for open consultation from 2026-02-10 until 2026-04-10, during which any stakeholder was able to provide comments by contacting the PCR Moderator and/or the Secretariat.

Stakeholders were invited via e-mail or other means to take part in the open consultation and were encouraged to forward the invitation to other relevant stakeholders. No stakeholders provided comments during the open consultation and agreed to be listed as contributors in the PCR and on www.environdec.com:

3.2 PCR REVIEW

3.2.1 VERSION 1.0.0

PCR review panel:	The Technical Committee of the International EPD System. A full list of members is available on www.environdec.com . The review panel may be contacted via support@environdec.com . Members of the Technical Committee were requested to state any potential conflict of interest with the PCR Committee, and if there were conflicts of interest they were excused from the review.
Chair of the PCR review:	Paola Borla
Review dates:	2020-12-08 until 2021-03-02

3.2.2 VERSION 2.0.0

PCR review panel:	The Technical Committee of the International EPD System. A full list of members is available on www.environdec.com . The review panel may be contacted via support@environdec.com . Members of the Technical Committee were requested to state any potential conflict of interest with the PCR Committee, and if there were conflicts of interest they were excused from the review.
-------------------	---

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

Chair of the PCR review:	Paola Borla
Review dates:	2026-05-06 until 2026-06-29

3.3 EXISTING PCRS FOR THE PRODUCT CATEGORY

As part of the development of this PCR, existing PCRs and other internationally standardised methods that could potentially act as PCRs were considered to avoid unnecessary overlaps in scope and to ensure harmonisation with established methods of relevance for the product category. The existence of such documents was checked among the following EPD programmes and international standardisation bodies:

- International EPD System. www.environdec.com.
- EPD Italy. www.epditaly.it.

No existing PCRs or other relevant internationally standardised methods with overlapping scope were identified.

3.4 REASONING FOR DEVELOPMENT OF PCR

This PCR was developed to enable publication of EPDs for the product category defined in Section 2.2.1 based on ISO 14025 and ISO 14040/14044. The PCR enables different practitioners to generate consistent results when assessing the environmental impact of products of the same product category, and thereby it supports comparability of products within a product category.

Also, the PCR enables the publication of climate declarations (see the General Programme Instructions for further information) compliant to ISO 14067, which then can be considered Carbon Footprint of Products (CFP), if additional requirements are fulfilled (as specified in the PCR).

3.5 UNDERLYING STUDIES USED FOR PCR DEVELOPMENT

The methodological choices made during the development of this PCR (declared/functional unit, system boundary, allocation methods, impact categories, data quality rules, etc.) were primarily based on the following underlying studies:

- Taghleef Industries S.p.A., 2011. LCA study for 3 BOPP films.
- Taghleef Industries S.p.A., 2012. LCA study for a BOPLA film.
- Taghleef Industries Kft, 2014. LCA study for 3 BOPP films.
- Taghleef Industries S.p.A., 2020-2025. Carbon footprint Systematic Approach for multi-purpose films.
- Crocco S.p.A., 2020-2025. Carbon footprint Systematic Approach for films
- Siliconature S.p.A., 2025, Carbon footprint Systematic Approach for coating films
- PCR 2018:10, Boards, blocks, panels, sheets of plastics, or in composite system, for structural application (non-construction).
- PCR 2019:13, Packaging.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

4 LCA METHOD

This section provides rules for the LCA method used to develop an EPD for the product category as defined in Section 2.2.1. The basic rules of the LCA method are set in Annex A of the GPI, and this section only includes additions, specifications and deviations to the rules set in the GPI. Guidance and examples of applying the LCA method are also available on www.environdec.com/methodology.

4.1 MODELLING APPROACH

See Section A.1 of the GPI.

4.2 DECLARED UNIT

The declared unit shall be defined as 1 square meter of film (with reference to the dimensions and mass per unit area). The reference flow corresponds to the declared unit and shall be defined at the point where the product arrives at the customer gate, i.e., any losses occurring before then shall be accounted for.

This PCR uses a declared unit instead of a functional unit. This is because the relevant functional aspects are not known or are not possible to capture in one or a few predefined functional units. All relevant functional aspects shall, however, be considered when comparing EPDs based on this PCR.

In addition, a conversion factor shall be declared, enabling the user of the EPD to recalculate the results to 1 kg of film. The EPD may also declare the results per 1 kg of film (i.e., in this case the EPD uses two declared units).

4.2.1 REFERENCE SERVICE LIFE (RSL)

Not applicable for this product category.

4.2.2 PRODUCT LIFESPAN

Not applicable for this product category.

4.2.3 TECHNICAL SPECIFICATION

The following technical information supports the declared unit definition and shall be reported in the EPD:

- Nominal thickness (μm);
- Unit weight (g/m^2);
- Yield (m^2/kg).

4.3 SYSTEM BOUNDARY

The scope of this PCR and EPDs based on it is cradle to gate with options (Modules A1-A3, A4-A5, and C1 to C4).

4.3.1 LIFE-CYCLE STAGES AND INFORMATION MODULES

The product life cycle shall be divided into the following life-cycle stages and information modules:

- Product stage, modules A1-A3:
 - A1: Raw material extraction and processing (e.g., mining, agricultural and forestry operations), production of intermediate materials and components (e.g., including transformation processes such as rolling, drawing and extrusion), processing of secondary material input (e.g., recycling processes), production of distribution and consumer packaging, etc.
 - A2: Transports to the manufacturer of the product

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

- A3: Manufacturing of the product
- Distribution and installation stage, modules A4-A5:
 - A4: Transport of the product to the building/installation site/user, including storage of product (e.g., warehouse and retail operations)
 - A5: Installation of the product: for the products covered by this PCR no installation process occurs; module A5 therefore includes only the end-of-life treatment of the product's distribution/consumer packaging.
- End-of-life stage, modules C1-C4:
 - C1: Disassembling: does not apply
 - C2: Transport to waste processing and/or disposal
 - C3: Waste processing for reuse, recovery and/or recycling
 - C4: Disposal

Section A.3.1 of the GPI outlines rules for how to assign generation of electricity and production of fuels, steam and other energy carriers used, and losses arising, in each information module.

Sections 4.3.1.1–4.3.1.3 further describe the processes to include or exclude for each life-cycle stage.

4.3.1.1 Modules A1-A3: Product stage

All relevant unit processes along the upstream and core supply chain shall be included, for example:

- Module A1 - Raw Material Supply:
 - A1.1: Extraction of resources
 - A1.2: Transport of resources to refinement
 - A1.3: Refinement of resources
 - A1.4: Production of auxiliary products used such as detergents for cleaning, etc.
 - A1.5: Production of semi-finished products used in the core process, if applicable
 - A1.6: Manufacturing of primary and secondary packaging
- Module A2 – Transportation:
 - A2.1: External transportation to the manufacturing site
- Module A3 - Manufacturing:
 - A3.1: Manufacturing of the product
 - A3.2: Maintenance (e.g. of the machines)
 - A3.3: Waste treatment of waste generated during manufacturing

Processes not listed here may also be included. All elementary flows at resource extraction shall be included, except for the flows that fall under the general cut-off rule in Section 4.5.

Also excluded processes that are specific for this life-cycle stage (in addition to the generally excluded processes listed in Section 4.3.1.4 below) should be further specified in the PCR. Any exclusion of life-cycle stages, information modules and unit processes shall be justified in the PCR development process.

4.3.1.2 Modules A4-A5: Distribution and installation

All relevant unit processes along the upstream and core supply chain shall be included, for example:

- Module A4 – Transportation:
 - A4.1: Transport of the product to an average retailer/distribution platform,
 - A4.2: Storage

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

- Module A5 – End-of-life of packaging
 - A5.1: End-of-life processes of packaging.

Processes not listed here may also be included. All elementary flows at resource extraction shall be included, except for the flows that fall under the general cut-off rule in Section 4.5.

4.3.1.3 Modules C1-C4: End-of-life stage

Here the PCR shall describe typical processes of each information module of this life-cycle stage.

- Module C1-C4- End-of-life of the product:
 - C1: De-construction/demolition/deinstallation: does not apply
 - C2: Transport to waste processing and/or disposal
 - C3: Waste processing for reuse, recovery and/or recycling
 - C4: Disposal.

Scenarios for the end-of-life stage shall be technically and economically practicable and compliant with current regulations in the relevant geographical region based on the geographical scope of the EPD. Key assumptions regarding the end-of-life stage scenario shall be documented in the LCA report.

Processes not listed here may also be included. All elementary flows at resource extraction shall be included, except for the flows that fall under the general cut-off rule in Section 4.5.

4.3.1.4 Excluded processes

See Section A.3.1.1 of the GPI.

4.3.1.5 Infrastructure and capital goods

See Section A.3.1.2 of the GPI.

4.3.2 OTHER BOUNDARY SETTING RULES

See Section A.3.2 of the GPI for rules on setting boundaries to nature as well as geographical and temporal boundaries. See Section A.4 of the GPI and Section 4.6 for rules on setting boundaries to other product systems.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

4.4 PROCESS FLOW DIAGRAM

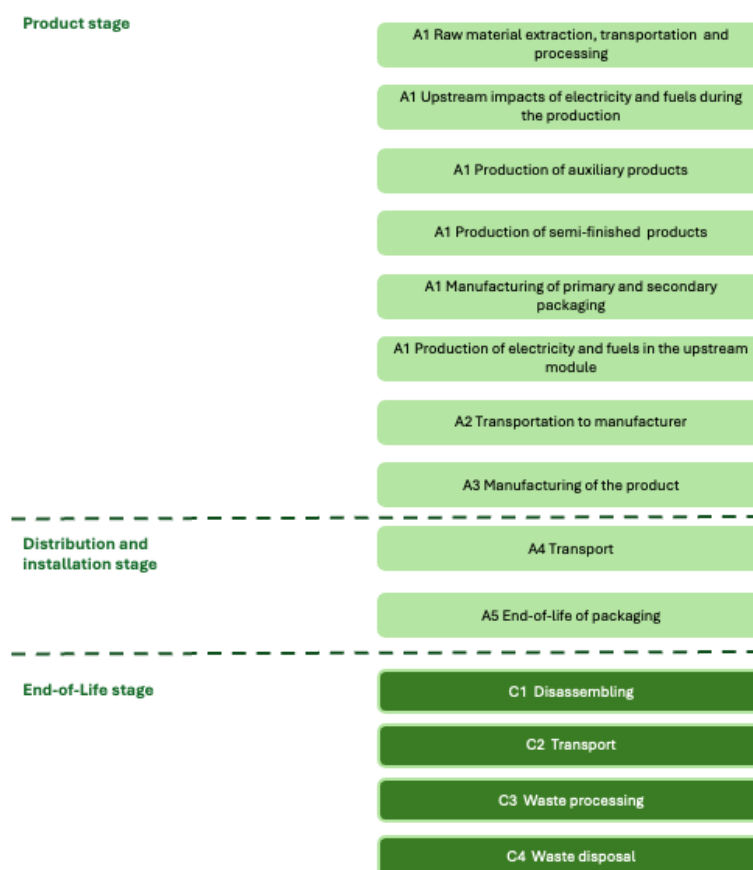


Figure 2. Process flow diagram illustrating the processes that shall be included in the product system, divided into the life-cycle stages. The illustration of processes to include may not be exhaustive.

4.5 CUT-OFF RULES

See Section A.3.3 of the GPI.

4.6 ALLOCATION RULES

See Section A.4 of the GPI.

4.6.1 ALLOCATION OF CO-PRODUCTS

See Section A.4.1 of the GPI.

4.6.2 ALLOCATION OF WASTE

See Section A.4.2 of the GPI.

Additionally, recycled materials from a scrapyard where the origin is unknown (e.g., data/statistics on shares of post- and pre-consumer materials are missing for the specific scrapyard or the country of its location), shall be assumed to be waste and allocated accordingly, unless default data provided on www.environdec.com/methodology says otherwise. For consistency, scrap sent to a scrapyard shall be assumed to be waste and allocated accordingly, unless default data provided on www.environdec.com/methodology says otherwise.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

4.7 DATA AND DATA QUALITY RULES

See Section A.5 of the GPI.

See Section 4.9 for further rules related to data and data quality per life-cycle stage and module D.

4.7.1 DATA CATEGORIES

See Section A.5.1 of the GPI.

4.7.2 DATA QUALITY REQUIREMENTS FOR PRIMARY DATA

See Section A.5.2 of the GPI.

Additionally, the reference year of the primary data shall not be more than five years old and shall be representative for the validity period of the EPD (if not, the EPD shall be updated, see Section 2.2.4). The reference year, which does not need to be a calendar year, is the latest year in which the data provider confirmed the data to be representative/valid, i.e., the end year for the most recently set validity period.⁵ This means that primary LCI data can have been collected more than five years ago, but the representativeness/validity shall have been reassessed and confirmed by the data provider (the manufacturer/service provider) within the past five years.⁶ In such reassessments, it may be that data is confirmed to be conservative compared to fully representative data, for example because it is known that the manufacturing process has improved (e.g., less material losses or lower energy use) but collected data from the past five years is missing. In such cases, the reference year can still be updated, and the data can still qualify as primary data. If this is done, it shall be described and justified in the LCA report.

4.7.3 DATA QUALITY REQUIREMENTS FOR REPRESENTATIVE SECONDARY DATA

See Section A.5.3 of the GPI.

4.7.4 DATA QUALITY ASSESSMENT AND DECLARATION

See Section A.5.4 of the GPI.

4.7.5 EXAMPLES OF DATABASES FOR SECONDARY DATA

This PCR does not list any examples of databases to be used for secondary data.

4.8 OTHER LCA RULES

See Section A.6 of the GPI.

For specific LCA rules per life-cycle stage, see Section 4.9.

4.8.1 MASS BALANCE

See Section A.6.1 of the GPI.

⁵ This definition of "reference year" is a specification and merge of the definitions in EN 15804, EN 15941, ISO 21930 and in the ILCD format.

⁶ This reassessment can, for example, be done based on collected metadata, such as information on the type of machinery being used in a manufacturing process. So it can be that some data (LCI and/or meta data) have been collected within five years, while some data are older than five years but has been confirmed to still be representative based on the more recently collected data. An example: the amount of electricity a machinery use and the emissions generated was measured seven years ago, but within the past five years the producer has confirmed the same machine is still in use and has provided updated data on the type of electricity used to run the machine.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

4.8.2 ELECTRICITY MODELLING

See Section A.6.2 of the GPI.

The following requirement for contractual instruments in the GPI may not be possible to comply with in all markets for contractual instruments: "the contractual instrument shall ... be valid for at least the upcoming six months from the publication of the EPD." Therefore, it is replaced with the following: "is produced as close as possible to the period to which the contractual instrument is applied and comprises a corresponding timespan."

4.8.3 BIOGAS MODELLING

See Section A.6.3 of the GPI.

4.9 SPECIFIC RULES PER LIFE-CYCLE STAGE AND MODULE D

See Section A.7 of the GPI.

Below are further data quality requirements and other LCA rules per life-cycle stage, and for module D, of relevance for the product category.

4.9.1 PRODUCT STAGE, A1-A3

See Section A.7.1 of the GPI and add relevant specifications, additions, and deviations here.

This PCR does not provide any additions to the rules and guidance in the GPI on the modelling of the product stage.

4.9.2 DISTRIBUTION AND INSTALLATION STAGE, MODULES A4-A5

See Section A.7.2 of the GPI and add relevant specifications, additions, and deviations here.

This PCR does not provide any additions to the rules and guidance in the GPI on the modelling of the construction/installation stage.

4.9.3 END-OF-LIFE STAGE, MODULES C1-C4

See A.7.4 of the GPI and add relevant specifications, additions, and deviations here.

This PCR does not provide any additions to the rules and guidance in the GPI on the modelling of the end-of-life stage.

4.10 ENVIRONMENTAL PERFORMANCE INDICATORS

See Section A.8 of the GPI.

4.11 SPECIFIC RULES PER EPD TYPE

4.11.1 MULTIPLE PRODUCTS FROM THE SAME COMPANY

See Section A.9.1 of the GPI.

4.11.2 SECTOR EPD

See Section A.9.2 of the GPI.

4.11.3 EPD OWNED BY A TRADER

See Section A.9.3 of the GPI.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

4.11.4 EPD OF PRODUCT NOT YET ON THE MARKET

See Section A.9.4 of the GPI.

4.11.5 EPD OF PRODUCT RECENTLY ON THE MARKET

See Section A.9.5 of the GPI.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

5 CONTENT OF LCA REPORT

Data for verification shall be presented in the form of an LCA report – a systematic and comprehensive summary of the project documentation that supports the verification of an EPD. The LCA report is not part of the public communication.

See Section 8.3.1 of the GPI for rules on the content of the LCA report.

Note that there may be rules on the content of the LCA report elsewhere in the GPI or in this PCR.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

6 CONTENT AND FORMAT OF EPD

See Section 7 of the GPI.

6.1 EPD LANGUAGES

See Section 7.1 of the GPI.

6.2 UNITS AND QUANTITIES

See Section 7.2 of the GPI.

6.3 USE OF IMAGES IN EPD

See Section 7.3 of the GPI.

6.4 SECTIONS OF THE EPD

See Section 7.4 of the GPI.

6.4.1 COVER PAGE

See Section 7.4.1 of the GPI.

6.4.2 GENERAL INFORMATION

See Section 7.4.2 of the GPI.

6.4.3 INFORMATION ABOUT EPD OWNER

See Section 7.4.3 of the GPI.

6.4.4 PRODUCT INFORMATION

See Section 7.4.4 of the GPI.

6.4.5 CONTENT DECLARATION

See Section 7.4.5 of the GPI.

6.4.6 LCA INFORMATION

See Section 7.4.6 of the GPI.

6.4.7 ENVIRONMENTAL PERFORMANCE

See Section 7.4.7 of the GPI.

The EPD shall declare the environmental performance indicators listed or referred to in Section 4.10, per declared unit, per life-cycle stage and module D.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

6.4.8 ADDITIONAL ENVIRONMENTAL INFORMATION

See Section 7.4.8 of the GPI.

.

6.4.9 ADDITIONAL SOCIAL AND ECONOMIC INFORMATION

See Section 7.4.9 of the GPI.

6.4.10 INFORMATION RELATED TO SECTOR EPDS

See Section 7.4.10 of the GPI.

6.4.11 VERSION HISTORY

See Section 7.4.11 of the GPI.

6.4.12 ABBREVIATIONS

See Section 7.4.12 of the GPI.

6.4.13 REFERENCES

See Section 7.4.13 of the GPI.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

7 LIST OF ABBREVIATIONS

BoPLA	Biaxially oriented polylactic acid and biodegradable films
BoPE	Biaxially oriented polyethylene films
BoPP	Biaxially oriented polypropylene films
CFP	Carbon Footprint of Products
CPC	Central product classification
CPP	Cast polypropylene films
CO ₂	Carbon dioxide
EPD	Environmental product declaration
ISO	International Organization for Standardization
kg	kilogram
LCA	Life cycle assessment
PCR	Product Category Rules
PE	Polyethylene
PLA	Polylactic Acid (or Polylactide)
PP	Polypropylene
SI	The International System of Units
SO ₂	Sulphur dioxide
UN	United Nations

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

8 REFERENCES

CEN (2013), EN 15804:2012+A1:2013, Sustainability of construction works – Environmental product declarations – Core rules for the product category of construction products.

Crocco S.p.A., 2020-2025. Carbon footprint Systematic Approach for packaging films

International EPD System (2025), General Programme Instructions for the International EPD® System. Version 5.0.1, dated 2025-02-27. www.environdec.com

ISO (2013), ISO 472:2013, Plastics – Vocabulary

ISO (2000), ISO 14020:2000, Environmental labels and declarations – General principles

ISO (2004), ISO 8601:2004 Data elements and interchange formats – Information interchange – Representation of dates and times

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

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

ISO (2018), ISO 14044: 2018, Environmental management – Life cycle assessment – Requirements and guidelines

ISO (2018), ISO 14067:2018, Greenhouse gases – Carbon footprint of products – Requirements and guidelines for quantification

ISO (2014), ISO 14046:2014, Environmental management – Water footprint – Principles, requirements and guidelines

ISO (2017), ISO 21930:2017, Sustainability in buildings and civil engineering works -- Core rules for environmental product declarations of construction products and services

ISO (2018), ISO 527-3:2018, Plastics — Determination of tensile properties — Part 3: Test conditions for films and sheets

International EPD System (2019), PCR 2018:10, Boards, blocks, panels, sheets of plastics, or in composite system, for structural application (non-construction), Version 1.01, date 2019-08-18.

International EPD System (2019), PCR 2019:13, Packaging, Version 1.0, date 2019-08-11.

Siliconature S.p.A., 2025, Carbon footprint Systematic Approach for coating films

Taghleef Industries S.p.A., 2011. LCA study for 3 BOPP films.

Taghleef Industries S.p.A., 2012. LCA study for a BOPLA film.

Taghleef Industries Kft, 2014. LCA study for 3 BOPP films

Taghleef Industries S.p.A., 2020-2025. Carbon footprint Systematic Approach for Taghleef's films.

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

9 VERSION HISTORY OF PCR

This section shall include a version history and the main differences compared to earlier versions of the PCR document.

VERSION 1.0, 2021-03-09

Original version of the PCR.

VERSION 1.01, 2021-08-27

Editorial changes to the original version of the PCR.

VERSION 1.02, 2022-02-02

Editorial changes (corrected erroneous UN CPC classification on cover page).

VERSION 1.03, 2025-05-12

Prolonged validity period with 12 months, until 2026-03-29, as an updating process has been initiated.

VERSION 1.04, 2025-11-24

Prolonged validity period with additional 6 months, until 2026-09-29 due to a delay in the updating process.

VERSION 2.0.0, 2026-09-07

Major update of the PCR to align with the General Programme Instructions (GPI) version 5.0. The main changes with respect to previous version are listed below:

- Updated the title to be less restrictive and to better reflect the full scope of the PCR.
- Refined the definition and description of the product category.
- Restructured the system boundaries from the GPI 4.0 Upstream/Core/Downstream stages to the modular lifecycle stages (A1–A3, A4–A5, C1–C4, D).
- Aligned the system boundaries with the updated product category.
- Added specific technical parameters that must be reported in the EPD.
- Implemented minor editorial corrections and updated cross-references throughout the document.

PRODUCT CATEGORY RULES (PCR)

PUBLICATION DATE 2026-09-07

PLASTIC FILMS, EXCEPT PACKAGING

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

© EPD INTERNATIONAL AB 2026

YOUR USE OF THIS MATERIAL IS SUBJECT TO THE GENERAL TERMS OF USE PUBLISHED ON BY EPD INTERNATIONAL AB:S HOMEPAGE ON WWW.ENVIRONDEC.COM. IF YOU HAVE NOT REGISTERED AND ACCEPTED EPD INTERNATIONAL AB:S THE GENERAL TERMS OF USE, YOU ARE NOT AUTHORIZED TO EXPLOIT THIS WORK IN ANY MANNER.

COVER IMAGE © TAGHLEEF INDUSTRIES S.P.A.

