

## MULTI-PURPOSE FILMS

PRODUCT CATEGORY CLASSIFICATION: UN CPC 36330, 36390

PCR 2021:01  
VERSION 2.0.0

VALID UNTIL 20XX-YY-ZZ (TO BE ADDED BY THE SECRETARIAT)

*NOTE: THIS DOCUMENT IS A PCR TEMPLATE TO BE USED IN PCR DEVELOPMENT. IT IS NOT A PCR.*

A cover image of the PCR will be added by the Secretariat.

The PCR Committee may propose a cover image by submitting it to the Secretariat. The image shall be representative for the scope of the PCR, be of high resolution, and its use as cover image shall be approved by the copyright holder.

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## INTRODUCTION TO OPEN CONSULTATION

This draft PCR document is available for open consultation from 2026-02-10 until 2026-04-10. Feel free to forward the draft to any other stakeholder you might think is relevant, including colleagues and other organisations.

We are interested in comments from stakeholders on:

- General
  - Alignment with PCRs available in other programmes for type III environmental declarations, industry-specific LCA guidelines or similar.
- Scope of PCR
  - Product category definition and description
  - Classification of product category using CPC codes
- Goal and scope, life cycle inventory and life cycle impact assessment
  - Functional unit/declared unit
  - System boundary
  - Allocation rules
  - Data quality requirements
  - Recommended databases for generic data
  - Impact categories and impact assessment methodology
- Additional information

Comments shall be sent directly to the PCR Moderator (contact details available in Section 1). There is a template for comments on [www.environdec.com](http://www.environdec.com) that may be used.

For questions about the PCR, please contact the PCR moderator. For general questions about the International EPD System, EPD or PCR development, please contact the Secretariat via <https://www.environdec.com/support>.

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# 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)<sup>1</sup> 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.<sup>2</sup> 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](http://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.

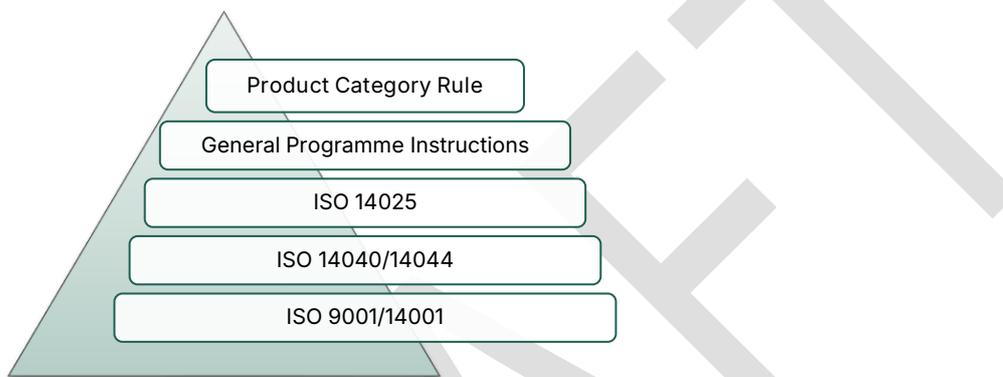


Figure 1. This PCR in relation to the hierarchy of standards and other documents.

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.

<sup>1</sup> Termed type III environmental declarations in ISO 14025.

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

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## 2 GENERAL INFORMATION

### 2.1 ADMINISTRATIVE INFORMATION

Name:	Multi-purpose films
Registration number and version:	PCR 2021:01, Version 2.0.0
Programme:	
Programme operator:	<p>EPD International AB, Box 210 60, SE-100 31 Stockholm, Sweden.</p> <p>Website: <a href="http://www.environdec.com">www.environdec.com</a>                      E-mail: <a href="mailto:support@environdec.com">support@environdec.com</a></p>
PCR Moderator:	Marta Mancin, Aequilibria S.r.l., mmancin@aequilibria.com
PCR Committee:	Taghleef Industries S.p.A., Aequilibria S.r.l.
Publication date:	<p><i>To be added by the Secretariat</i></p> <p>See Section 9 for a version history of the PCR.</p>
Valid until:	<p><i>To be added by the Secretariat</i></p> <p>The validity may change. See <a href="http://www.environdec.com">www.environdec.com</a> for the latest version of the PCR and the latest information on its validity and transition periods between versions.</p>
Development and updates:	<p>The PCR has been developed following ISO 14027, including public consultation and review. The rules for the development and updating processes are described in Section 9 of the GPI.</p> <p>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.</p> <p>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 <a href="http://www.environdec.com">www.environdec.com</a> 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.</p> <p>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.</p>

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Standards and documents conformance:	General Programme Instructions of the International EPD System, version 5.0.1, based on ISO 14025 and ISO 14040/14044. <sup>3</sup>
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 <a href="http://www.environdec.com">www.environdec.com</a> . 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 multi-purpose films, except films used directly as packaging and the declaration of this performance by an EPD. The product category corresponds to UN CPC:

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

36390 – Other plates, sheets, film, foil and strip, of plastics

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. For films with unknown end use or that may have several areas of application including packaging, the present PCR shall be used.

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

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.*

Examples of products included from 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)
- stretch films
- technical films
- monoweb and laminated structures blown films (PP and PE)

These films are suitable for the following purpose:

- for food contact and non-food contact applications, suitable for lamination and or further converting<sup>4</sup>,
- labels films

<sup>3</sup> 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.

<sup>4</sup> Films that are directly useful as “food packaging” are not part of the scope of this PCR.

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- technical applications

These lists (examples of products and use) are not intended to be exhaustive. This is defined in the UN CPC classification hierarchy:

- Division: 36 – Rubber and plastic products
  - Group: 363 – Semi-manufactures of plastics
    - Class: 3633 – 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 – Other plates, sheets, film, foil and strip, of plastics

More information about the product group and the United Nation Statistics Division - Classification Registry CPC codes can be found at <http://unstats.un.org/unsd/cr/registry/regcst.asp?Cl=25>.

## 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.

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### 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](http://www.environdec.com):

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

##### 3.1.2 VERSION 2.0.0

Version 1.0.0 of this PCR was available for open consultation from *date* until *date*, during which any stakeholder was able to provide comments by contacting the PCR Moderator and/or the Secretariat.

*Above dates shall be given in the following format: 20YY-MM-DD.*

*Add information about any physical or web-based meetings held during the open consultation, if applicable.*

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](http://www.environdec.com):

- *List of stakeholder names and affiliation (to be added after the open consultation).*

*In case no stakeholders provided comments and agreed to be listed as contributors, the above sentence shall be adjusted accordingly ("No stakeholders provided comments during the open consultation and agreed to be listed as contributors in the PCR and on [www.environdec.com](http://www.environdec.com).") and the bullet list shall be removed.*

#### 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 <a href="http://www.environdec.com">www.environdec.com</a> . The review panel may be contacted via <a href="mailto:support@environdec.com">support@environdec.com</a> . 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

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### 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 <a href="http://www.environdec.com">www.environdec.com</a> . The review panel may be contacted via <a href="mailto:support@environdec.com">support@environdec.com</a> .  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:	<i>To be added by the Secretariat</i>
Review dates:	<i>To be added by the Secretariat</i>

### 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](http://www.environdec.com).
- EPD Italy. [www.epditaly.it](http://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 pf plastics, or in composite system, for structural application (non-construction).
- PCR 2019:13, Packaging.
- PCR 2017:05, Closable flexible plastic packaging.

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## 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](http://www.environdec.com/methodology).

### 4.1 MODELLING APPROACH

See Section A.1 of the GPI.

### 4.2 DECLARED/FUNCTIONAL 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

There is not relevant technical specification to report.

### 4.3 SYSTEM BOUNDARY

The scope of this PCR and EPDs based on it is *cradle-to-grave* for films intended to be used as they are (final products), and *cradle-to-gate* (plus transport to retailer/distribution platform) for films that undergo subsequent processes before final use (intermediate products).

For intermediate products, for which further production and the use is unknown, it is recommended to consider the end-of-life treatment, where it is possible to identify a representative scenario of the hypothetical finished product.

#### 4.3.1 LIFE-CYCLE STAGES AND INFORMATION MODULES

Because of different data quality rules and the presentation of results, 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.

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- A2: Transports to the manufacturer of the product
- 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 example in a building as part of the construction of the building (e.g., including transports and waste processing of material and product losses arising in A5)
- Use stage, modules B1-B7:
  - B1: Use/application/operation of the product (e.g., including direct emissions associated with its use)
  - B2: Maintenance of the product: does not apply
  - B3: Repair of the product: does not apply
  - B4: Replacement: does not apply
  - B5: Refurbishment: does not apply
  - B6: Energy use in use/application/operation: does not apply
  - B7: Water use in use/application/operation: does not apply
- End-of-life stage, modules C1-C4:
  - 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

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 Error! Reference source not found.–Error! Reference source not found. 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

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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 4.3.1.5 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 re-processing

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
- Module A5 – Reprocessing and distribution
  - A5.1: Transport to converter, if applicable
  - A5.2: End-of-life processes of packaging
  - A5.3: Converter to produce multi-layer film, if applicable\*
  - A5.4: Transportation of produce multi-layer film, if applicable\* to an average retailer/distribution platform

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.

*\* These processes are intended to be included only when the EPD cover the full cradle-to-grave perspective.*

## 4.3.1.3 Modules B1-B7: Use stage

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

- Module B1 – Use:
  - B1.1: Customer or consumer use of the product\*

*\* These processes are intended to be included only when the EPD cover the full cradle-to-grave perspective.*

## 4.3.1.4 Modules C4: End-of-life stage

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

- Module C4- End-of-life of the product:
  - 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.

## 4.3.1.5 Excluded processes

See Section A.3.1.1 of the GPI.

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4.3.1.6 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.

4.4 PROCESS FLOW DIAGRAM

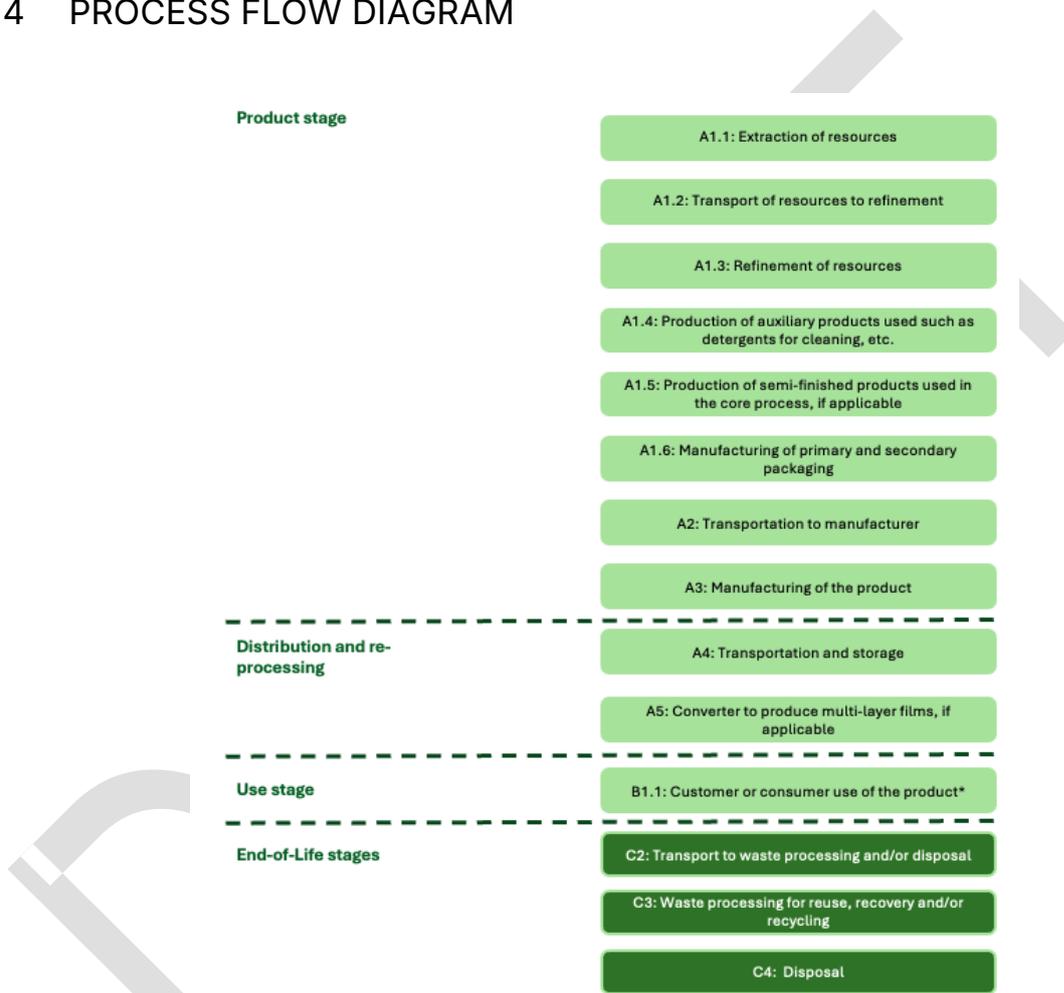


Figure 2. Process flow diagram illustrating the processes that shall be included in the product system, divided into the life-cycle stages. The illustration of processes to include may not be exhaustive.

4.5 CUT-OFF RULES

See Section A.3.3 of the GPI.

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## 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](http://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](http://www.environdec.com/methodology) says otherwise.

## 4.7 DATA AND DATA QUALITY RULES

See Section A.5 of the GPI.

See Section 0 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.<sup>5</sup> 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.<sup>6</sup> 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.

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<sup>5</sup> 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.

<sup>6</sup> 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.

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#### 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.

#### 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.

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## 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.

### 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.

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## 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.

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## 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.

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## 6.4.8 ADDITIONAL ENVIRONMENTAL INFORMATION

See Section 7.4.8 of the GPI.

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## 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.

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## 7 LIST OF ABBREVIATIONS

CO <sub>2</sub>	Carbon dioxide
CFP	Carbon Footprint of Products
CPC	Central product classification
EPD	Environmental product declaration
ISO	International Organization for Standardization
kg	kilogram
LCA	Life cycle assessment
PCR	Product Category Rules
SI	The International System of Units
SO <sub>2</sub>	Sulphur dioxide
UN	United Nations

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## 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

EPD International (2019) General Programme Instructions for the International EPD® System. Version 3.01, dated 2019-09-18. [www.environdec.com](http://www.environdec.com)

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

PCR 2018:10, Boards, blocks, panels, sheets of plastics, or in composite system, for structural application (non-construction).

PCR 2019:13, Packaging.

PCR 2017:05, Closable flexible plastic packaging.

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.

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## 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-MM-DD

PRODUCT CATEGORY RULES (PCR)

PUBLICATION DATE 20YY-MM-DD (TO BE ADDED BY THE SECRETARIAT)

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