

STN	Plasty Recyklované plasty Klasifikácia recyklovaných plastov podľa úrovni kvality údajov na použitie a (digitálne) obchodovanie	STN EN 18065 64 8116
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Plastics - Recycled plastics - Classification of recycled plastics based on Data Quality Levels for use and (digital) trading

Táto norma obsahuje anglickú verziu európskej normy.

This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 11/25

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EUROPEAN STANDARD
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English Version

**Plastics - Recycled plastics - Classification of recycled
plastics based on Data Quality Levels for use and (digital)
trading**

Plastiques - Plastiques recyclés - Classification des
plastiques recyclés sur la base des niveaux de qualité
des données pour l'utilisation et le commerce
(numérique)

Kunststoffe - Kunststoff-Rezyklate - Klassifizierung von
Kunststoff-Rezyklate durch Datenqualitätslevels für die
Verwendung und den (internetbasierten) Handel

This European Standard was approved by CEN on 4 May 2025.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 18065:2025 (E)

Contents	Page
European foreword	4
Introduction	6
1 Scope.....	7
2 Normative references.....	7
3 Terms and definitions	7
4 Data Quality Levels for recyclates.....	13
4.1 General.....	13
4.2 Definition of Data Quality Levels (DQL).....	13
4.3 Definition of application-specific Data Quality Levels (DQL-A)	14
4.4 Further explanation for characteristics	14
4.4.1 Type of filler.....	14
4.4.2 Additives	14
4.4.3 Further details of recycling process.....	14
4.4.4 Traceability.....	14
4.4.5 Greenhouse gas emissions measured in CO ₂ equivalents	15
4.4.6 Contaminant/Non-target materials in the recyclate.....	15
4.5 Sampling and homogenization.....	15
4.5.1 Sampling.....	15
4.5.2 Homogenization	15
4.5.3 Further description of the DQL requirements for sampling and homogenization	15
5 Determination and designation of recycled content	16
6 Labelling.....	17
7 Digital Product Passport	19
7.1 Requirements for data capture, creation and supersedence.....	19
7.1.1 Introduction.....	19
7.1.2 Validation	20
7.1.3 Amendments and re-issuing.....	21
7.1.4 Supersedence	21
7.2 Requirements for data transfer and traceability.....	22
7.2.1 System boundaries for Digital Product Passport	22
7.2.2 General principles of data transfer	22
7.2.3 Best Practice in data transfer	22
7.3 Preservation of data.....	22
Annex A (normative) Requirements for the specific Data Quality Levels.....	23
Annex B (informative) Recycled content calculation.....	27
B.1 Mechanical and physical recycling	27
B.2 Chemical recycling.....	27
B.3 Specific examples of recycled content calculation.....	27
B.3.1 Example 1: Polymer compound without fillers in the recyclate proportion	27
B.3.2 Example 2: Polymer compound with fillers in the recyclate proportion	27

B.3.3	Example 3: Polymer compound without fillers in the recyclate proportion, and a recycled plastic as carrier for pigments in the masterbatch	28
B.3.4	Example 4: Polymer compound with glass fibres in the recyclate proportion, virgin glass fibres and a recyclate based masterbatch	29
B.3.5	Example 5: Polymer compound with different sources (PIR and PCR) recycled plastic, inorganic virgin fillers and virgin masterbatch	29
Annex C (informative)	Sampling	31
Bibliography	34

EN 18065:2025 (E)**European foreword**

This document (EN 18065:2025) has been prepared by Technical Committee CEN/TC 249 “Plastics”, the secretariat of which is held by SIS.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by February 2026, and conflicting national standards shall be withdrawn at the latest by February 2026.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document is part of CEN publications on plastics recycling, listed as follows:

- EN 15342, *Plastics — Recycled plastics — Characterization of polystyrene (PS) recyclates*
- EN 15343, *Plastics — Recycled Plastics — Plastics recycling traceability and assessment of conformity and recycled content*
- EN 15344, *Plastics — Recycled plastics — Characterization of Polyethylene (PE) recyclates*
- EN 15345, *Plastics — Recycled plastics — Characterization of Polypropylene (PP) recyclates*
- EN 15346, *Plastics — Recycled plastics — Characterization of poly(vinyl chloride) (PVC) recyclates*
- EN 15347 (all parts), *Plastics — Sorted plastics wastes*
- EN 15348, *Plastics — Recycled plastics — Characterization of poly(ethylene terephthalate) (PET) recyclates*
- EN 18064 (all parts), *Plastics — Quality recommendations and basis for specifications for application of plastic recyclates in products*
- EN 18065, *Plastics — Recycled plastics — Classification of recycled plastics based on Data Quality Levels for use and (digital) trading*
- EN 18067, *Plastics — Recycled plastics — Characterization of Acrylonitrile-Butadiene-Styrene (ABS) recyclates*
- CEN/TR 15353, *Plastics — Recycled plastics — Guidelines for the development of standards for recycled plastics*
- CEN/TR 18160, *Plastics recycling — Classification of plastic recyclates as postconsumer recyclates (PCR) and postindustrial recyclates (PIR)*

This document has been prepared under a standardization request addressed to CEN and CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia,

Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

EN 18065:2025 (E)**Introduction**

This document was drafted as an umbrella standard for a group of standards for the classification of recycled plastics, pursuant to the Standardization Request of the European Commission (SReq M/584), annexed to the Commission Implementing Decision C(2022) 5372 as regards plastics recycling and recycled plastics in support of the European Strategy for Plastics in a Circular Economy. With decision from August 10, 2022, CEN and CENELEC Technical Boards have accepted the Standardization Request. It aims to establish a coherent classification and designation system for recycled plastics, irrespective of polymer and application type, and provides a unified framework with existing and future standards in the field of recycled plastics. It further addresses the need of creating digital product passports for recyclates in order to ensure a unified transfer of data as the material passes through the value chain and thus enable a more holistic circular economy for plastics.

This document has been developed with a view towards creating synergies between the digital and green transition from today's linear towards a truly circular plastics economy. By measuring and controlling inputs and outputs of the recycling process using standardized sets of data, digital technologies will enable the reintroduction of materials that have reached their end-of-life back into the orderly fashion of global supply chains at scale. Such technologies could also support monitoring, reporting and verification of greenhouse gas emissions for carbon pricing. Digital product passports enable enhanced material, component and end-to-end traceability and make data more accessible, which is essential for viable circular business models.¹

¹ European Commission (2022), *2022 Strategic Foresight Report. Twinning the green and digital transitions in the new geopolitical context*, COM (2022), 289 final, p. 2.

1 Scope

This document defines a system for the classification of recycled plastics based on the available data depth (Data Quality Levels, DQL) and provides guidelines for the labelling of the recycle type and recycled content in compounds.

It is intended to support parties involved in the use and trading of recycled plastics, explicitly including digital trading platforms.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

CEN/TR 15353 *Plastics — Recycled plastics— Guidelines for the development of standards for recycled plastics*

CEN/TS 16010, *Plastics — Recycled plastics — Sampling procedures for testing plastics waste and recyclates*

CEN/TS 16011, *Plastics — Recycled plastics — Sample preparation*

EN 17615:2022, *Plastics — Environmental Aspects — Vocabulary*

EN ISO 472:2013, *Plastics — Vocabulary (ISO 472:2013)*

EN ISO 1043-1, *Plastics — Symbols and abbreviated terms — Part 1: Basic polymers and their special characteristics (ISO 1043-1)*

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