



SLOVENSKI STANDARD
oSIST prEN 15345:2024
01-april-2024

Polimerni materiali - Reciklirani polimerni materiali - Karakterizacija recikliranega polipropilena (PP)

Plastics - Recycled Plastics - Characterisation of Polypropylene (PP) recyclates

Kunststoffe - Kunststoff-Rezyklate - Charakterisierung von Polypropylen (PP)-Rezyklaten

Plastiques - Plastiques recyclés - Caractérisation des recyclats de polypropylène (PP)

Ta slovenski standard je istoveten z: prEN 15345

ICS:

13.030.50	Recikliranje	Recycling
83.080.20	Plastomeri	Thermoplastic materials

oSIST prEN 15345:2024

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 15345

February 2024

ICS 13.030.50; 83.080.20

Will supersede EN 15345:2007

English Version

Plastics - Recycled Plastics - Characterisation of Polypropylene (PP) recyclates

Plastiques - Plastiques recyclés - Caractérisation des
recyclats de polypropylène (PP)

Kunststoffe - Kunststoff-Rezyklate - Charakterisierung
von Polypropylen (PP)-Rezyklaten

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 249.

If this draft becomes a European Standard, 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.

This draft European Standard was established by CEN 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.

CEN members are the national standards bodies of 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 United Kingdom.

Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.

<https://standards.iteh.ai/catalog/standards/sist/8cb7fa87-85cc-4dc1-b91e-dc330d5d04c4/osist-pren-15345-2024>



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

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

Contents	Page
European foreword	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Terms and definitions	6
4 Symbols and abbreviations	6
5 Characterization of PP recyclates	6
Table 1 — Characterization of PP recyclates	7
6 Quality Assurance	9
Annex A (normative) Test Method for the determination of bulk density	10
A.1 General	10
Figure A.1 — Typical apparatus for determining bulk density	10
A.2 Material	10
A.3 Apparatus	11
A.4 Preparation of test sample	11
A.5 Procedure	11
A.6 Expression of results	11
A.7 Test report	11
Bibliography	13

oSIST prEN 15345:2024
<https://standards.iteh.ai/catalog/standards/sist/8cb71a87-85cc-4dcd-b91c-dc350d3d04c4/osist-prcn-15345-2024>

European foreword

This document (prEN 15345:2024) has been prepared by Technical Committee CEN/TC 249 “Plastics”, the secretariat of which is held by SIS.

This document is currently submitted to the CEN Enquiry.

This document supersedes EN 15345:2007.

This document includes the following significant changes with respect to EN 15345:2007:

- Scope has been clarified;
- Normative References have been updated;
- Terms and definitions have been removed, reference to EN ISO 472 and CEN/TR 15353 remained;
- Clause 4 “Symbols and abbreviations” has been added;
- Clause 5 “Characterization of PP recyclates” and Table 1 “Characterization of PP recyclates” have been revised;
- In Clause 6 “Quality assurance” requirement regarding traceability has been added;
- Annex A: Content of test report has been changed.

This standard is one part of a series of CEN publications on plastics recycling which is structured 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, *Plastics — Sorted plastics wastes (all parts)*
- EN 15348, *Plastics — Recycled plastics — Characterization of poly(ethylene terephthalate) (PET) recyclates*
- CEN/TR 15353, *Plastics — Recycled plastics — Guidelines for the development of standards for recycled plastics*

Introduction

Recycling of plastics waste is one type of material recovery process intended to save resources (virgin raw materials, water, and energy), while minimizing harmful emissions into air, water and soil as well as any impacts on human health. The environmental impact of recycling is assessed over the whole life cycle of the recycling system (from the waste generation point to the disposal of final residues). To ensure that recycling constitutes the best environmental option for treating the available waste, some prerequisites should preferably be met:

- recycling scheme being contemplated should generate lower environmental impacts than alternative recovery options;
- existing or potential market outlets should be identified that will secure a sustainable industrial recycling operation;
- collection and sorting schemes should be properly designed to deliver recyclable plastics waste fractions fitting reasonably well with the available recycling technologies and with the (changing) needs of the identified market outlets, preferably at minimum costs to society.

This document has been produced in accordance with the guidance produced by CEN on Environmental Aspects and in accordance with CEN/TR 15353.

NOTE CEN/TR 15353 considers the general environmental aspects which are specific to the recycling process.

During their life, products are temporarily out of industrial control. Consequently, at the end user stage, it is often impossible to trace back each individual product and whether it has been used correctly through its life cycle.

It is Standards
(<https://standards.iteh.ai>)
Document Preview

[oSIST prEN 15345:2024](https://standards.iteh.ai/catalog/standards/sist/8cb7fa87-85cc-4dc1-b91e-dc330d5d04c4/osist-pren-15345-2024)

<https://standards.iteh.ai/catalog/standards/sist/8cb7fa87-85cc-4dc1-b91e-dc330d5d04c4/osist-pren-15345-2024>