



SLOVENSKI STANDARD
oSIST prEN 18120-14:2024
01-oktober-2024

**Embalaža - Načrtovanje, ki omogoča recikliranje plastične embalaže - 14. del:
Postopek za ocenjevanje možnosti recikliranja plastične embalaže - Protokoli za
plastično embalažo iz polistirena (PS) in ekstrudiranega polistirena (XPS)**

Packaging - Design for recycling for plastic packaging - Part 14: Recyclability evaluation
process for plastic packaging - Protocols for PS and XPS packaging

Verpackung - Recyclingorientierte Gestaltung von Kunststoffverpackungsprodukten - Teil
14 - Verfahren zur Bewertung der Recyclingfähigkeit von Kunststoffverpackungen -
Protokolle für Verpackungen aus PS und XPS

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ICS:

13.030.50	Recikliranje	Recycling
55.020	Pakiranje in distribucija blaga na splošno	Packaging and distribution of goods in general
83.080.20	Plastomeri	Thermoplastic materials

oSIST prEN 18120-14:2024

en,fr,de

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

DRAFT
prEN 18120-14

September 2024

ICS 55.020; 13.030.50; 83.080.20

English Version

**Packaging - Design for recycling for plastic packaging -
Part 14: Recyclability evaluation process for plastic
packaging - Protocols for PS and XPS packaging**

Verpackung - Recyclingorientierte Gestaltung von
Kunststoffverpackungsprodukten - Teil 14 - Verfahren
zur Bewertung der Recyclingfähigkeit von
Kunststoffverpackungen - Protokolle für Verpackungen
aus PS und XPS

This draft European Standard is submitted to CEN members for enquiry. It has been drawn up by the Technical Committee CEN/TC 261.

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.

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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.

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

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European foreword

This document (prEN 18120-14:2024) has been prepared by Technical Committee CEN/TC 261 “Packaging”, the secretariat of which is held by AFNOR.

This document is currently submitted to the CEN Enquiry.

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

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prEN 18120-14:2024 (E)**Introduction**

EN 18120 consisting of 15 parts aims via a series of guidelines and protocols to establish consistency and improvement for the Design for recycling of household, industrial and commercial plastic packaging.

- Part 1: Definitions and principles for design-for-recycling of plastic packaging
- Part 2: Process and governance to evaluate the recyclability of plastic packaging
- Part 3: Sortability evaluation process for plastic packaging
- Part 4: Guideline for PET bottles
- Part 5: Guideline for PET rigid packaging (except bottle)
- Part 6: Guideline for PE and PP rigid packaging
- Part 7: Guideline and protocols for PE and PP flexible packaging
- Part 8: Guideline for PS and XPS packaging
- Part 9: Guideline for EPS packaging
- Part 10: Recyclability evaluation process for plastic packaging – Protocols for PET bottles
- Part 11: Recyclability evaluation process for plastic packaging – Protocols for PET other rigid packaging
- Part 12: Recyclability evaluation process for plastic packaging – Protocols for PE and PP rigid packaging
- Part 13: Recyclability evaluation process for plastic packaging – Protocols for PE and PP flexible packaging
- Part 14: Recyclability evaluation process for plastic packaging – Protocols for PS and XPS packaging
- Part 15: Recyclability evaluation process for plastic packaging – Protocols for EPS packaging

Design for recycling guidelines are a common way of describing compatibility with plastic packaging collection, sorting and recycling into high quality recycled plastic into state-of-the-art facilities. They provide guidance on the level compatibility, defined as:

- green: Packaging constituents with full compatibility with recycling;
- yellow: Packaging constituents with limited compatibility with recycling;
- red: Packaging constituents which are not compatible with recycling.

Recyclability guidelines will require regular review and improvement to reflect innovations in design, collection, sorting and recycling.

The Design for recycling guidelines provided in this series of standards are representative of the state of the art in Europe and cover all steps from design for recycling, packaging waste collection, sorting, recycling into recycled plastic and to use in a new application.