



# CE in CEN TC 249 Plastics

SABE 2023-05-02

# The Standardization Request on circular plastics



- Packaging
- Agriculture
- Building & Construction
- EEE
- Automotive



**45** New deliverables



**11** Revisions of European Standards



**9** Technical Committees



**36** Months (deadline August 2025)

# TCs involved

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- ▶ **CEN/TC 88** 'Thermal insulating materials and products'
- ▶ **CEN/TC 134** 'Resilient, textile, laminate and modular mechanical locked floor coverings'
- ▶ **CEN/TC 155** 'Plastics piping systems and ducting systems'
- ▶ **CEN/TC 249** 'Plastics'
- ▶ **CEN/TC 254** 'Flexible sheets for waterproofing'
- ▶ **CEN/TC 261** 'Packaging'
- ▶ **CEN/TC 301** 'Road vehicles'
- ▶ **CLC/TC 111X** 'Environment'
- ▶ **CLC/TC 213** 'Cable management systems'

# TC 249 Plastics, structure

- WG 4 Decorative laminated sheets based on thermosetting resins
- WG 5 Thermoplastic profiles for building applications
- WG 7 Thermoplastic films for use in agriculture
- WG 9 Bio-based and biodegradable plastics
- WG 11 Plastics recycling
- WG 13 Wood plastics composites (WPC)
- WG 16 Welding of thermoplastics
- WG 21 Profiles for windows and doors
- WG 24 Environmental aspects
- WG 25 Static thermoplastic tanks for above ground storage of fuel
- WG 26 Agricultural plastic products- Design for recycling, use, removal, collection and recycling

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# WG 7 Thermoplastic films for use in agriculture & WG 26 Agricultural plastic products- Design for recycling, use, removal, collection and recycling

## **WG 7: EOL criteria to be added by revision (M/ 584 Table 2):**

- EN 13206:2017 Plastics - Thermoplastic covering films for use in agriculture and horticulture.
- EN 13207:2018 Plastics - Thermoplastic silage films and tubes for use in agriculture.
- EN 17098-1:2018 Plastics. - Barrier films for agricultural and horticultural soil disinfection by fumigation. – Part 1: Specifications for barrier films.
- EN 14932:2018 Plastics -Thermoplastic stretch films for wrapping silage bales.
- EN 13655: 2018 Plastics - Thermoplastic mulch films recoverable after use, for use in agriculture and horticulture.

## **WG 26 New standard(s) for information and guidance to professional users on design-for-recycling and use of agricultural plastic products (M/584 Table 1):**

- PWI Agricultural plastic products — Installation, use, removal, sorting, collection, preparation for recycling and design-for-recycling guidelines

# WG 11      Plastics recycling

## M/584 Table 1:

- Quality grades for sorted plastics wastes: HDPE, LDPE, PP, PET, PVC, PS, EPS (6 standards)
- Characterisation of ABS recyclate (1 standard)
- Classification by data quality levels for use and (digital) trading (1 standard)
- Quality recommendations and basis for specifications for application of plastic recyclates in products, for PE, PP, PET, PVC, PS and ABS (7 standards)

## M/584 Table 2:

- EN 15347:2007 Plastics – Recycled plastics – Characterisation of plastics wastes
- EN 15342:2007 Plastics - Recycled plastics - Characterisation of polystyrene (PS) recyclates
- EN 15344:2021 Plastics – Recycled Plastics – Characterisation of polyethylene (PE) recyclates
- EN 15345:2007 Plastics – Recycled Plastics – Characterisation of polypropylene (PP) recyclates
- EN 15346:2014 Plastics – Recycled Plastics – Characterisation of poly(vinyl chloride) (PVC) recyclates
- EN 15348:2014 Plastics - Recycled plastics - Characterisation of poly(ethylene terephthalate) (PET) recyclates

# WG 21 Profiles for windows and doors

## M/ 584 Table 1:

- Plastics - PVC based profiles for building applications - Design-for-recycling guidelines



# Outside the SReq related to CE

## **WG 9 Bio-based and biodegradable plastics**

- Revision of ISO 15270 (-5) Biological recycling

## **WG 24 Environmental aspects**

- Discussions about potential work plan

# ISO 15270 Plastics — Guidelines for the recovery and recycling of plastics waste

## Under revision

- 15270-1 General principles
- 15270-2 Mechanical recycling
- 15270-3 Physical recycling
- 15270-4 Chemical recycling
- 15270-5 Biological recycling

Thanks!

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