

CERTIFICATE

Recyclability of Packaging Material

TOPAS Advanced Polymers GmbH
Am Prime Parc 9
65479 Raunheim | Germany

The company receives the certification of recycling compatibility for the following material:

Designation

Cyclic Olefin Copolymers (COC)

- Polymers with norbornene contents ≤ 50 mol% and ethylene contents ≥ 50 mol%
- As blend component or layer in flexible PE-based packaging applications

Test result

Assessment via path: Path 1: Plastic films / LDPE

Test standard:

- **CHI-C8-PEF-1** – “Recycling compatibility test for PE-flex packaging”
- Tested reference/recyclate applications: **Blown film, Injection moulding**
- Based on **CHI assessment catalogue** for EU-wide certification

According to the CHI standard, the tested plastic materials are no contaminants with benefit for injection moulding and blown films as relevant recyclate applications and in the above-mentioned material combination. Based on this assessment, the tested material can be considered as:

Valuable Material

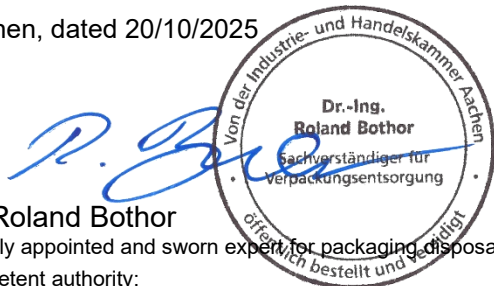
in PE-flex recycling, with blown film and injection moulding as reference applications

The recyclability of a packaging is dependent on the final packaging design for which this material will be used (including composition, size, color, and others).

This certificate (No. 2171-2020-001719-W5) is valid until **31/10/2026** (1 year upon issue).

This certificate will lose validity in case of qualitative or quantitative changes of material properties or chemical structures and compositions.

Aachen, dated 20/10/2025



Dr. Roland Bothor

Publicly appointed and sworn expert for packaging disposal

Competent authority:

Chamber of Industry and Commerce, Aachen

The detailed results are documented in the corresponding test report (No. 2171-002-2020).

CHI | cyclos-HTP Institute

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ANNEX

to Certificate No. 2171-2020-001719-W5

Document history

2171-2020-001719 Certificate TOPAS COC for PE pck (date: 28/08/2020)

- Original certificate document with test report No. 2171-002-2020

2171-2020-001719-W1 Certificate TOPAS COC for PE pck (date: 28/07/2021)

- Re-certification for one further year without updated or revised test report No. 2171-002-2020

2171-2020-001719-W2 Certificate TOPAS COC for PE pck (date: 26/07/2022)

- Re-certification for one further year without updated or revised test report No. 2171-002-2020

2171-2020-001719-W3 Certificate TOPAS COC for PE pck (date: 11/09/2023)

- Re-certification for one further year without updated or revised test report No. 2171-002-2020

2171-2020-001719-W4 Certificate TOPAS COC for PE pck (date: 07/10/2024)

- Re-certification for one further year without updated or revised test report No. 2171-002-2020

2171-2020-001719-W5 Certificate TOPAS COC for PE pck (date: 20/10/2025)

- Re-certification for one further year without updated or revised test report No. 2171-002-2020
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