

CERTIFICATE

Recyclability of Packaging Material

Maag GmbH
Zum Sauerland 4
D-59469 Ense

The company receives the certification of recyclability for the following packaging material.

Designation

Maag Pro-Tect barrier film 3A, 3B, 3C, 3D

PP multilayer barrier films, exemplary printed - no final packaging
(for use in standard applications for flexibles, e.g. bags, sachets or pouches)

Test result

Allocation to path/specification: **Mixed Polyolefins, Fraction No. 323 (DE)**
Mixed Plastics, Fraction No. 350, 352 (DE)

Assessment via path/specification: **Mixed Polyolefins, Fraction No. 323 (DE)**

Recyclate (final product): **PO regranulate**

Test standard / scope of application:

- Requirements and assessment catalogue of the institute cyclos-HTP** for EU-wide certification (state 07.10.2019) / Scope of validity according to nation states, see chapter 1

Within the certification process, conformity with the following standards was also checked:

- Minimum standard for measuring the recycling capacity** of the ZSVR (state 31.08.2020); also integrated
- DIN EN 13430** with regard to material recyclability in the post-use phase; also integrated
- Under consideration of **COTREP** – Recyclability of Plastic Packaging; on request
- Under consideration of **APR Design® Guide for Plastics Recyclability**; on request

In accordance with the test results the potential recyclate yield of the packaging amounts to 100 %.
According to the CHI standard the recyclability of the packaging amounts to:

92-94 % (AT, DE)

This certificate (No. 2418-2020-002032) is valid until the **31.03.2022** (1 year upon issue) relating to the countries identified in the assessment report. This certificate will lose validity in case of qualitative or quantitative changes of packaging components.

Aachen, dated 01.03.2021


Dr. Joachim Christiani
Publicly appointed and sworn expert for the IHK for packaging waste disposal
Competent authority: IHK Aachen

The certificate (No. 2418-2020-002032) is only valid in conjunction with the 11 following pages of the report.

Institute cyclos - HTP

Institute cyclos-HTP GmbH
Maria-Theresia-Allee 35 - 52064 Aachen
phone: +49 (0) 241 / 949 00 - 0
fax: +49 (0) 241 / 949 00 - 49

