

CERTIFICATE

Recyclability of a Packaging Material Group

BASF SE

Carl-Bosch-Strasse 38

D-67056 Ludwigshafen am Rhein, Germany

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

Designation

LDPE-based multilayer packaging films with Polyamide 6 (PA6) including $\leq 30\%$ by weight of PA6;

in coextruded polyethylene films, based on LDPE and/or LLDPE; packaging size $\geq A5$; with ≥ 0.5 g per g PA of maleic anhydride-grafted PE as tie layer specified for PA/PE; **with ≥ 0.15 g per g PA of Dow Fusabond E226 or chemically comparable compatibilizer** in a neighbouring PE layer of the structure; *not including* printing inks, adhesives or other components that can affect the recyclability

Test result

Assessment via path/specification: Path 1: Plastic films / LDPE

Recyclate (final product): LDPE 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

- DIN EN 13430** with regard to material recyclability in the post-use phase; also integrated

The following reference processes, materials and applications are taken into consideration within the certification process:

- Detection as flexible PE packaging in state-of-the-art sorting plants
- Recyclate use for injection moulding and blown film applications
- Test program based on CHI test method **CHI-C8-PEF-1/2.0** with the use of PCR-based LDPE recyclate as reference

According to the CHI standard the recyclability of the packaging component amounts to:

100 % (AT, DE, ES, FR, IT, NL, NO)

This certificate (No. 2187-2021-002126) is valid until the **31.05.2022** (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 17.05.2021



Dr. Joachim Christiani

Publicly appointed and sworn expert for the IHK for packaging waste disposal

Competent authority: IHK Aachen

Dr. Roland Bothor

Technical supervisor of the investigations

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



This certificate is only valid in conjunction with the 28 following pages of the report (No. 2187-002-2020).