

CERTIFICATE

Recyclability of Packaging Material

Mitsubishi Chemical UK Limited
SoarnoL Division, Soarnol House
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The company receives the certification of recyclability for the following packaging material.

Designation

**EVOH, SoarnoL™ with an ethylene content of ≥ 29 mol% and
Compatibilizer, Soaresin™ RG500 in a ratio of ≥ 0.3 g per g EVOH**

Material combination in coextruded polyethylene film structures, based on LDPE and/or LLDPE.

The film structure must additionally contain maleic anhydride-grafted PE as tie layer specified for EVOH/PE coextrusion in a ratio of ≥ 0.5 g tie layer resin per g EVOH.

Test result

Assessment via path:

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 14/09/2021) / 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 protocol **CHI-C8-PEF-1/3.0** with the use of PCR-based LDPE recyclate as reference

According to the CHI standard the plastic material is no contaminant in the tested application and in the above-mentioned material combination and can be considered as:


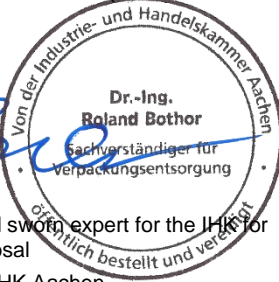
Valuable Material for PE Film Recycling

(AT, BE, DE, ES, FR, IT, NL, NO, PT)

This certificate (No. 2488-2022-002774) is valid until the **28/02/2023** (1 year upon issue) for the countries listed above in bold. For the countries shown in *italics*, the existence of a recycling infrastructure cannot be assumed as predominant.

This certificate will lose validity in case of qualitative or quantitative changes of packaging components.

Aachen, dated 23/02/2022 (revised 16/03/2022)



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

The detailed results are documented in the corresponding test report No. 2488-001-2021.

Institute cyclos - HTP

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