

## Technical Information

**TEGOPREN® 6846**

TEGOPREN® 6846 is an organic modified siloxane based wax, especially designed to improve the processing and final performance of polyolefin.

**Physical properties**

Melting point	approx. 64 °C
Melt viscosity (70 °C)	approx. 250 mPas
Appearance	pellet

**Application**

TEGOPREN® 6846 is used as a semi-compatible slip and release agent for various end uses.

**Benefits**

During the extrusion process TEGOPREN® 6846 improves the flow characteristics. This results in:

- reduction of shear during the extrusion of polyolefin with low MFI
- reduction of amperage values, which means lower energy consumption
- higher throughput during the extrusion
- improved cycle time/less machine down time

TEGOPREN® 6846 combines the properties of the organic modification and the typical characteristics of a siloxane. This results in improved characteristics of the polymer:

- smooth processing during down-stream application, especially during foam extrusion
- no negative impact on printability/sealability
- smoother surface of the molded item enhances better appearance
- smoother surface of films can be easily determined by lower COF values
- improved slip properties

**Dosage**

Already at a concentration less than 0.5 % TEGOPREN® 6846 develops its full effectiveness, especially in polyolefin with low MFI. During developments of new formulations TEGOPREN® 6846 should always be evaluated with 0.05, 0.2 and 0.5 % to optimize the content.

**Handling**

Due to its pelletized form TEGOPREN® 6846 can be used in the production without dust formation.

**Registration status**

The ingredients of TEGOPREN® 6846 are listed in the following chemical inventories:

EINECS, TSCA, NSDL, ENCS; CHINA

Based on the submitted information of our raw material suppliers we can confirm, that TEGOPREN® 6846 is compliant with EC Regulation 1907/2006 (REACH).

**Storage stability**

TEGOPREN® 6846 is stable in closed containers for a minimum of 12 months.

**Packaging**

25 kg PE bag (600 kg each pallet)

## Hazardous goods classification

Information concerning

- classification and labelling according to regulations for transport and for dangerous substances
- protective measures for storage and handling
- measures in case of accidents and fire
- toxicity and ecological effects

is given in our material safety data sheets.

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