

Technical Information

ACCUREL® Si 761

ACCUREL® Si 761 is a 30000 cSt silicone oil on porous polypropylene (PP).

Physical Properties

Melt temperature	Approx. 150 °C
Bulk density	175 - 275 kg/m ³
Colour	White/off-white
Delivery form	Pellets
Additive Content	50 (± 2) wt%

Application

ACCUREL® Si 761 improves slip and lubrication properties in PP applications. It supports the release of injection-molded parts.

Incorporated in the skin layer of biaxially oriented polypropylene (BOPP) films, ACCUREL® Si 761 significantly reduces the coefficient of friction (COF), even at elevated temperatures.

Pre-dispersion of the silicone oil in the porous carrier supports a homogeneous distribution of the silicone oil in the finished product.

Dosing of silicone oil as a solid high concentrate can make compounding of complex formulations more convenient.

Benefits

- easy handling of highly viscous silicone oil as a solid
- fast and long lasting lubrication
- efficient mold release agent
- COF reduction

Dosage

ACCUREL® Si 761 can be incorporated using gravimetric or volumetric dosing equipment or by pre-blending it with the base resin.

The following levels of are recommended:

- 0.3 - 0.5 % for mold release
- 1.0 - 1.5 % as lubricant
- 0.4 - 1.4 % in BOPP skin layer

Food Contact Status

EU: EC 10/2011

ACCUREL® Si 761 complies with EU regulation EC 10/2011.

USA: FDA 21 CFR

ACCUREL® Si 761 can be used as an additive in polyolefins in contact with food according to 21 CFR (FDA) Sec. 177.1520 (olefin polymers).

China: GB 9685-2016

ACCUREL® Si 761 is listed with respect to its active standard composition in GB 9685-2016 for use in Adhesive, Coating, Plastic (PE, PP) and Rubber with food contact. Specific migration limits apply.

Registration Status

ACCUREL® Si 761 complies with REACH Regulation (EC) No 1907/2006.

Its ingredients of ACCUREL® Si 761 are listed / comply with the following chemical inventories:

EINECS, TSCA, DSL, ENCS, AICS, TCCL, PICCS, IECS, NZOIC, TCSI

Storage Stability

Minimum 12 months after date of production under normal good storing conditions.

Packaging

15 kg net in a cardboard box with PE inliner
360 kg net (24 x 15 kg)

Product Safety

For transport, handling and first aid instructions we refer to the material safety data sheet for ACCUREL® Si 761.

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