

Technical Information

ACCUREL® Si 790

ACCUREL® Si 790 is a 12,500 cSt silicone oil on a porous PET carrier.

Physical Properties

Melt temperature	> 200 °C
Bulk density	300 – 500 kg/m ³
Colour	Creamy
Delivery form	Pellets
Additive Content	50 (± 2)

Application

ACCUREL® Si 790 acts as a fast and effective lubricant and mold release agent for PET.

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

Even at very low addition levels of ACCUREL® Si 790, homogenous dispersion can be achieved in the final product.

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

Dosage

ACCUREL® Si 790 can be incorporated by using gravimetric dosing equipment or by adding it to a dry blend with the virgin polymer.

The following levels of addition are recommended:

- 0.2 – 0.4% for mold release
- 1.5 – 2.0% for a long-lasting lubricating effect

Food contact Status

EU: EC 10/2011

ACCUREL® Si 790 complies with EU regulation EC 10/2011. Specific migration limits apply.

USA: FDA 21 CFR

ACCUREL® Si 790 can be used as an additive in PET in contact with food according to 21 CFR (FDA) Sec. 177.1630 (polyethylene phthalate polymers).

China: GB 9685

ACCUREL® Si 790 is listed with respect to its active standard composition in GB 9685–2016 for use in Coating and Plastic (PET) with food contact. Specific migration limits apply.

Registration

ACCUREL® Si 790 complies with REACH Regulation (EC) No 1907/2006.

The ingredients of ACCUREL® Si 790 are listed/comply with the following chemical inventories:

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

Storage Stability

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

Packaging

20 kg net in a cardboard box with PE-inliner
480 kg net (24 x 20 kg)

Product Safety

For transport, handling and first aid instructions we refer to the material safety data sheet for ACCUREL® Si 790.

This information and any recommendations, technical or otherwise, are presented in good faith and believed to be correct as of the date prepared. Recipients of this information and recommendations must make their own determination as to its suitability for their purposes. In no event shall Evonik assume liability for damages or losses of any kind or nature that result from the use of or reliance upon this information and recommendations. EVONIK EXPRESSLY DISCLAIMS ANY REPRESENTATIONS AND WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED, AS TO THE ACCURACY, COMPLETENESS, NON-INFRINGEMENT, MERCHANTABILITY AND/OR FITNESS FOR A PARTICULAR PURPOSE (EVEN IF EVONIK IS AWARE OF SUCH PURPOSE) WITH RESPECT TO ANY INFORMATION AND RECOMMENDATIONS PROVIDED. Reference to any trade names used by other companies is neither a recommendation nor an endorsement of the corresponding product, and does not imply that similar products could not be used. Evonik reserves the right to make any changes to the information and/or recommendations at any time, without prior or subsequent notice.

Evonik Nutrition & Care GmbH
Goldschmidtstraße 100
45127 Essen, Germany
Phone Europe +49 201 173 2665
Phone Asia +86 21 61191 125
Phone Americas +1 804 727 0700
interface-performance@evonik.com
www.evonik.com/interface-performance