

TEGOMER® V-Si 7255

TEGOMER® V-Si 7255 is a comb-like acryloxy-functional polysiloxane. Due to the cross-linkable end groups TEGOMER® V-Si 7255 can be used as reactive component in suitable polymers.

Physical properties

Functional groups	acryloxy groups
Appearance	greenish, liquid
Active content	100 %
Viscosity, 25 °C [mPa·s]	approx. 550
Specific gravity, 25 °C [g/cm ³]	approx. 1

Application

By co-polymerization TEGOMER® V-Si 7255 can be introduced permanently in polymeric resins, like:

- PMA
- PMMA
- polyolefin containing unsaturated double bonds.

TEGOMER® V-Si 7255 is used to hydrophobize the surface of hydrophilic fillers and flame retardants in acrylic based composites. In addition the dispersion of these fillers and flame retardants is improved. By the following co-polymerization it is linked to the polymeric matrix.

Benefits

Due to the reactive modification of TEGOMER® V-Si 7255 typical properties of a siloxane are introduced to the polymer resulting in:

- improved melt flow rates during processing
- improved mould filling
- improved flexibility, even at low temperatures
- improved surface properties as surface slip and scratch resistance

Dosage

The amount used depends on the required properties. The concentration can range from 0.5 to 5 wt-% based on polymer.

Food contact status

TEGOMER® V-Si 7255 may be used in compliance with FDA regulation 21 CFR 175.125 and 21 CFR 175.105.

Detailed information concerning the FDA-compliance is available on request.

Registration

The ingredients of the product TEGOMER® V-Si 7255 are listed in the following inventories:

EINECS, TSCA, DSL, ENCS, AICS, PICCS, IECSC, ECL

Storage stability

TEGOMER® V-Si 7255 is stable in closed containers for a minimum of 1 year.

Packaging

200 kg steel drums (800 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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Trademark notice and legal notice

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