

SCONA TSPE 3219 GAHD

MAH-free dispersing aid for polyethylene color concentrates and composites for reducing warpage.

Product data

Composition

Chemically modified high density polyethylene

MAH-free

Typical properties

The values indicated in this data sheet describe typical properties and do not constitute specification limits.

Grafting level: 2.2 %
MFR (190 °C, 2.16 kg): 9 g/10 min
Delivery form: pellet

Storage and transportation

Product shelf life in unopened original packaging: 36 months
To be stored and transported at a temperature below 40 °C. Store dry.

Applications

Thermoplastics

Special features and benefits

SCONA TSPE 3219 GAHD is an acid-functionalized high-density polyethylene (HDPE). The product is an excellent dispersing aid for polyethylene color concentrates as well as for composites made of polyethylene and filler (e.g. aluminum hydroxide). Therefore the additive improves the dispersion quality and especially the warping tendency caused by the pigment or filler. SCONA TSPE 3219 GAHD is effective with untreated pigments that have a high tendency to warp, such as phthalocyanine or diketopyrrolopyrrole (DPP) pigments. The additive also acts as an excellent coupling agent for polyethylene-wood and polyethylene-glass fiber compounds. In addition, it improves the mechanical properties of highly filled polyethylene compounds.

Recommended use

Dispersing aid	<input checked="" type="checkbox"/>
Coupling agent	<input type="checkbox"/>

especially recommended recommended

Recommended levels

Dispersing aid: 40-80 % additive (as supplied) based on the pigment in the color concentrate.

Coupling agent: 1-4 % additive (as supplied) based on the total formulation, depending on the fiber/filler content.

The above recommended levels can be used for orientation. The optimum dosage should be determined by application-related test series.

Incorporation and processing instructions

The product can be added via volumetric or gravimetric dosing units during processing in all types of extruders, blow molding, and injection molding machines. When used as a dispersing aid, the additive should preferably be added to the premix.



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