

Fine-Blend® SOG-02

Polyester Toughening Modifier & Polyester-based Alloys Compatibilizer

Description

Fine-Blend® SOG-02 is a double functional group containing glycidyl ester grafted polymer. The base polymer is a polyolefin elastomer with high flexibility, and it has white particle appearance.

Applications

Fine-Blend® SOG-02 can improve impact property, Elongation of polyester such as PBT, PET. It can be used in toughened polyester, glass fiber reinforced polyester and flame retardant polyester. It also can develop a reliable bonding strength between PC/PBT or PC/PET alloys.

For more detailed information and recommendations regarding your specific application, please contact related sales or technical representative of Fine-Blend Compatilizer Company.

Typical properties

Characteristics	Value	Unit	Test Method
Density	0.88	g/cm ³	ASTM D792
Melt index (190°C/2.16kg)	2.0-5.0	g/10min	ASTM D1238
Graft level	Very high	/	Acid-base titration ¹
Hardness	70	SHORE A	ASTM D2240

Notes: These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

¹Low <0.25wt%, Medium 0.25-0.5wt%, High 0.5-0.8wt%, Very high 0.8-1.2wt%.

Processing information

Fine-Blend® SOG-02 can be processed over a wide range of conditions. The typical processing temperature range is from 200°C to 280°C, and it is related to the recipe, the type of extruder, screw design, screw speed, yield and the residence time etc.

Storage, handling and safety

Fine-Blend® SOG-02 should be stored in dry conditions protect from high temperature and UV-light. Improper storage conditions may cause degradation and have consequences on physical properties of the product.

Comprehensive MSDS are provided to recommend safe practices during usage. Please contact sales of Fine-Blend Compatilizer Company or visit www.fineblend.com.cn.