

## Polyester toughener & Polyester-based alloys compatibilizer

### Description

Fine-Blend<sup>®</sup> SOG-02 is a 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<sup>®</sup> 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 Polymer Company.**

### Typical properties

Typical Properties	Value	Unit	Test Method
Density	0.88	g/cm <sup>3</sup>	ASTM D792
MFR(190°C/2.16kg)	2-5	g/10min	ASTM D1238
Graft level	Very high	/	Acid-base titration <sup>1</sup>
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.

<sup>1</sup>Low <0.25wt%, Medium 0.25-0.5wt%, High 0.5-1.0wt%, Very high >1.0wt%.

### Processing information

Fine-Blend<sup>®</sup> 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 your processing equipment and processing parameters etc.

### Storage, handling and safety

Fine-Blend<sup>®</sup> 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 SDS is provided to recommend safe practices during usage. Please contact sales of Fine-Blend Polymer Company or visit [www.fineblend.com.cn](http://www.fineblend.com.cn).**