

## Fine-Blend® CMG5805-L

**Nylon toughener / Adhesion promoter / Compatibilizer / Coupling agent**

### Description

Fine-Blend® CMG5805-L is a maleic anhydride modified polymer. The base polymer is a polyolefin elastomer with high flexibility, and it has white or light-yellow translucent particle appearance.

### Applications

- Nylon toughening modifier: it can effectively improve the toughness of nylon material, especially the low temperature toughness of nylon.
- Adhesion promoter: it can effectively improve the adhesion performance between polyolefin (PP, PE) materials and polar substrates (such as metal, nylon, EVOH, etc.)
- Compatibilizer: it can effectively improve the compatibility between polyolefin (PP, PE) materials and polar materials (such as nylon, etc.)
- Coupling agent: used as coupling agent for halogen-free flame retardant polyolefin-based wire and cable.
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**For more detailed information and recommendations regarding your specific application, please contact related sales or technical representative of Fine-Blend Polymer Company.**

### Typical properties

Characteristics	Value	Unit	Test Method
Density	0.87	g/cm <sup>3</sup>	ISO 1183
MFR (190°C*5kg)	0.3-2.0	g/10min	ISO 1133
Graft level *	High	/	FTIR
Volatiles	≤0.3	%	ISO 1269

Notes: These are typical properties only and are not to be construed as specifications.

\* Low <0.25wt%, Medium 0.25-0.5wt%, High 0.5-1.0wt%.

### Processing information

Fine-Blend® CMG5805-L can be processed over a wide range of conditions. The typical processing temperature range is from 150°C to 300°C, and it is related to the type of extruder, screw design, screw speed, yield and the residence time etc.

### Storage, handling and safety

Fine-Blend® CMG5805-L 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).**