

Fine-Blend® CMG5805

Nylon Impact Modifier with Excellent Thermal Stability

Description

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

Applications

Fine-Blend® CMG5805 can improve impact property, low temperature resistance and reduce water absorption of nylon. It can be used in toughened nylon, glass fiber reinforced nylon and flame retardant nylon. It also can develop a reliable bonding strength between PA/PP or PA/PE alloys. It is recommended used in thermal aging resistant nylon modification system.

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	0.89	g/cm ³	ASTM D792
Melt index (190°C/5kg)	0.5-2.5	g/10min	ASTM D1238
Graft level	High	/	Acid-base titration ¹
Drying loss	≤0.3	%	105°C, 10min

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 0.5-1.0wt%.

Processing information

Fine-Blend® CMG5805 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® CMG5805 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.