

Fine-Blend® CMG5904

LLDPE-based Anhydride Modifier

Description

Fine-Blend® CMG5904 is a maleic anhydride grafted polymer. The base resin is LLDPE, and it has white or light yellow particle appearance.

Applications

Fine-Blend® CMG5904 can be used in low-smoke halogen-free flame-retardant wire and cable as a compatilizer which can improve the elongation of matrix material.

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	0.92	g/cm ³	ASTM D792
Melt index (190°C/5kg)	0.5-3.0	g/10min	ASTM D1238
Graft level	High	/	Acid-base titration ¹
Drying loss	≤0.3	%	105°C, 10min
Tensile Strength	>18	MPa	ASTM D638
Elongation at Break	>400	%	ASTM D638

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® CMG5904 can be processed over a wide range of conditions. The typical processing temperature range is from 130°C to 210°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® CMG5904 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.