

HDPE functionalized with maleic anhydride

Description

Fine-Blend[®] CMG5804 is a maleic anhydride grafted polymer. The base polymer is high density polyethylene, and it has white or light yellow particle appearance.

Applications

Fine-Blend[®] CMG5804 can be in low-smoke halogen-free flame-retardant wire and cable as a compatilizer which can improve the strength and elongation of base material.

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	0.96	g/cm ³	ASTM D792
MFR(190°C/5kg)	2-8	g/10min	ASTM D1238
Graft level	high	/	Acid-base titration ¹

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%, Very high >1.0wt%.

Processing information

Fine-Blend[®] CMG5804 can be processed over a wide range of conditions. The typical processing temperature range is from 150°C to 230°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[®] CMG5804 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.