

Polypropylene grafted with maleic anhydride

Description

Fine-Blend® FB1801R is a maleic anhydride grafted PP polymer with random copolymerized PP as a matrix material and excellent processing properties with high graft ratio.

Applications

Fine-Blend® FB1801R imparts polarity and adhesion to polypropylene. Only a small amount of addition can greatly improve the interfacial bonding force between the polypropylene matrix and the polar material, thereby significantly improving the mechanical properties of the polypropylene composite material and improving the appearance quality of the product.

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	0.89	g/cm ³	ASTM D792
MFR(190°C/2.16kg)	120-180	g/10min	ASTM D1238
Graft level	Very high	/	Acid-base titration ¹
Weight loss	≤0.3	wt%	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%, Very high >1.0wt%.

Processing information

Fine-Blend® FB1801R 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 your processing equipment and processing parameters etc.

Storage, handling and safety

Fine-Blend® FB1801R 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.