



Kimcross 1109

Acrylonitrile Butadiene Styrene Grafted Maleic Anhydride

Product Description

Kimcross 1109 is a high performance maleic anhydride functionalized acrylonitrile butadiene styrene copolymer produced by reactive extrusion. It has been mainly intended for use as a compatibilizer in ABS/PC alloy.

This grade is designed to:

- Achieve compatibility between recycled PC and ABS to obtain high mechanical and thermal properties
- Act as a coupling agent between glass-fiber and ABS matrix

General

Material Status	• Commercial: Active
Availability	• Middle East, Europe, Asia
Features	• Good Adhesion • Good Process Ability
Uses	• ABS/PC Alloy • Glass fiber reinforced ABS
Appearance & Form	• Natural (Yellowish)
Packaging	• 25 Kg PE Bag, 1000 kg Jumbo Bag
Processing Method	• Extrusion

Nominal Value Unit

Test Method

Physical	Nominal Value Unit	Test Method
Density	0.941±0.005g/cm ³	ISO 1183
Melt Flow Index (230°C, 5kg)	10±1 g/10min	ISO 1133
Melting Point	75±1 °C	ISO 11357
MA Graft Level	High*	Titration

*Low: 0.1-0.3%, Medium: 0.3-0.5%, High:0.5-1.0%

Processing Conditions

Kimcross 1109 can be added to polyolefin to achieve optimum adhesion filled matrices and achieve the best performance. Compounding parameter that can lead to optimized performance include extruder type, screw design, barrel temperature, screw speed, material feeding sequence. Our experienced technical service engineers are always on hand to help you in achieving the best performance from your processing and compounding operations.

Shelf Life & Storage

Shelf life at proper storage is at least 12 months from production date. Kimcross 1109 should be stored in dry condition 23±2 °C and protect from sunlight. Improper storage conditions may cause degradation and have consequences on physical and chemical properties of the product.

Note

The data and information contained herein are typical average values, based on our current level of knowledge and experience, and do not constitute sales specifications. No liability, warranty or guarantee of product performance is created by this document. It is the buyer's responsibility to inspect and test our products in order to determine the suitability for the buyer's application.

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