



Kimcross 1110

Polyolefin Elastomer Grafted Maleic Anhydride

Product Description

Kimcross 1110 is a high performance maleic anhydride functionalized polyolefin elastomer produced by reactive extrusion. It has been primarily designed to be used as a coupling agent between organic and inorganic fillers and polyolefin matrix and as a compatibilizer for polymeric blends.

This grade is designed to:

- Toughening agent for recycled PET
- Compatibilizer for nylon and polyethylene/polypropylene alloy
- Improve impact strength and decrease water absorption of neat PA and glass-reinforced PA6 & PA66 compounds

General

Material Status	• Commercial: Active
Availability	• Middle East, Europe, Asia
Features	• Good Adhesion • Good Process Ability
Uses	• PA compound • Recycled PET
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	0.871±0.005g/cm ³	ISO 1183
Melt Flow Index (190°C, 2.16kg)	1±0.2 g/10min	ISO 1133
Melting Point	65±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 1110 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 1110 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.