



Kimcross 1130

Polyethylene Tie Layer Adhesive

Product Description

Kimcross 1130 is a high performance maleic anhydride functionalized polyethylene produced by reactive extrusion. In tie layers for flexible packaging, Kimcross 1130 functional polyethylene promotes adhesion of polyethylene to barrier polymers such as polyamide and ethylene vinyl alcohol (EVOH) and other polar polymers.

Main Characteristics:

- ❖ Excellent adhesion polyethylene to polyamide and EVOH.
- ❖ Excellent physical and mechanical properties.

General

Material Status	• Commercial: Active
Availability	• Middle East, Europe, Asia
Features	• Excellent Adhesion • Good Process Ability
Uses	• Multilayer Packaging
Appearance & Form	• Natural
Packaging	• 25 Kg PE Bag, 1000 kg Jumbo Bag
Processing Method	• Blown and Casting Film

Nominal Value Unit

Test Method

Physical	Nominal Value Unit	Test Method
Density	0.922±0.005 g/cm ³	ISO 1183
Melt Flow Index (190°C, 2.16kg)	1.7 g/10min	ISO 1133
MA Graft Level	Low*	Internal Method

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

Mechanical

Tensile Strength at Break	23.5 MPa	ISO 527
Tensile Strength at Yield	9 MPa	ISO 527
Elongation at Break	660 %	ISO 527
Izod Impact Strength	NB J/m	ISO 180

Thermal

Melting Point	122±1 °C	ISO 11357
Vicat softening point	99 °C	ISO 306

Processing Conditions

Kimcross 1130 can be extruded between 190 °C to 250 °C. Our experienced technical service engineers are always on hand to help you in achieving the best performance from your processing operations.

Shelf Life & Storage

Shelf life at proper storage is at least 12 months from production date. Kimcross 1130 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.