

Kimcross 1500

Polyethylene adhesive resin

Product Description

Kimcross 1500 is an anhydride-modified polyethylene acts as an adhesion promoter, which is designed for adhesion between PE and PA or EVOH in blown and cast film and especially double-bubble applications. Functionality of this polymer also promotes adhesion between metal, polyolefins, cellulose, polyester, polycarbonate, glass, and foil.

Main Characteristics:

Excellent adhesion of polyethylene to polyamide and EVOH.

General	
Features	· Adhesion Durability · Good Adhesion · Excellent Process ability
Uses	· Multilayer Packaging
Appearance	· White
Forms	· Pellets
Packaging	· 25 sacks
Processing Method	· Extrusion
Food contact approval	· Yes

Physical	Nominal Value	Unit	Test Method
Density	0.920±0.005	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190 °C /2.16 kg)	1.7 ±0.3	g/10 min	ISO 1133
Oxidation Induction Time (210 °C)	>30	min	ISO 11357
Water content	< 0.1	%	ISO 15512

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	> 22	MPa	ISO 527
Tensile Stress (Yield)	>12	MPa	ISO 527
Tensile Strain (Break)	> 500	%	ISO 527

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	103	°C	ISO 306/A50
Melt Temperature	123	°C	ISO 3146

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	46±2	-	ISO 868

Extrusion

As a guide the following temperature profile is recommended:

Zone 1	Zone 2	Zone 3	Zone 4	Head	Die	Melt Temp
150	160	170	180	185	190	200-220

Shelf life

Sacks should be stored in dry/closed condition at temperature below 50 °C and protected from UV /direct sunlight. Shelf life at proper storage is at least 18 months from production date, but in case of a long storage time potential moisture pick-up needs to be eliminated by drying before extrusion.

Note

- Test results have been achieved in lab condition. Miss handling may give different result and sometimes outside of the standard
- The specifications given are the guidelines only.
- Above compound is suitable to run on different machines; however, some adjustments may be required on individual machine.
- The customers are advised to check the quality, prior to commercial use. There is no guarantee and/or warrantee what so ever, after processing.

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