

Kimcross 1501

Polyethylene adhesive resin

Product Description

Kimcross 1501 is an adhesive resin based on polyethylene and specially designed for extrusion application, which is designed for adhesion between PE and PA or EVOH. Functionality of this polymer also promotes adhesion between metal, polyolefins, cellulose, polyester, polycarbonate, glass, and foil.

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

Physical	Nominal Value	Unit	Test Method
Density	0.925±0.005	g/cm ³	ISO 1183
Melt Mass-Flow Rate (190 °C /2.16 kg)	1.5 ±0.5	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)	43±3	-	ISO 868

Extrusion

As a guide the following temperature profile is recommended:

Zone 1	Zone 2	Zone 3	Zone 4	Head	Die	Melt Temp
130	140	150	160	175	185	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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