

Orevac® OE825

Linear Low Density Polyethylene

Arkema

Message:

Linear low-density polyethylene tie resin for coextrusion

OREVAC® OE825 is a maleic anhydride modified linear low-density polyethylene adhesive resin. It is available in pellet form for use in conventional extrusion and coextrusion equipments designed to process polyethylene (PE) resins.

Applications

OREVAC® OE825 has been designed to develop a reliable bonding strength in coextrusion processes between polyethylene or ethylene copolymers and different materials among which polyamides and EVOH. Containing a higher amount of grafted reactive functionalities compared to standard LLDPE based coextrusion tie resins.

OREVAC® OE825 can be used pure or blended with other polyolefins. It can be processed within different coextrusion technologies including cast film, blown film, sheet calendering, blow molding or tube extrusion.

General Information			
Features	Bondability		
	Good Adhesion		
	Low Density		
Uses	Adhesives		
	Bonding		
Forms	Pellets		
Processing Method	Blow Molding		
	Blown Film		
	Calendering		
	Cast Film		
	Coextrusion		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.913	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238, ISO 1133
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature ¹	99.0	°C	ISO 306/A, ASTM D1525 ²
Melting Temperature	118	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160 to 180	°C	
Cylinder Zone 2 Temp.	180 to 200	°C	
Cylinder Zone 3 Temp.	200 to 220	°C	
Cylinder Zone 4 Temp.	210 to 230	°C	
Cylinder Zone 5 Temp.	220 to 230	°C	

Adapter Temperature	220 to 230	°C
Die Temperature	220 to 240	°C

NOTE

1. On compression molded samples
2. Loading 1 (10 N)

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