

Orevac® 18300

Linear Low Density Polyethylene

Arkema

Message:

Linear low-density polyethylene based tie resin for film coextrusion

OREVAC® 18300 is a maleic anhydride modified linear low-density polyethylene adhesive resin. It is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyolefin.

Applications

OREVAC® 18300 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.

OREVAC® 18300 is recommended for cast or blown film coextrusion. For more detailed information and recommendations regarding your specific application, please contact your local ARKEMA technical representative.

General Information	
Features	Bondability
	Good Adhesion
Uses	Adhesives
	Bonding
Forms	Pellets
Processing Method	Blown Film
	Cast Film
	Coextrusion
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.916	g/cm ³	ISO 1183, ASTM D1505

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238, ISO 1133
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Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature ¹	85.0	°C	ISO 306/A, ASTM D1525 ²
Melting Temperature	120	°C	ISO 11357-3

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	190 to 200	°C
Cylinder Zone 2 Temp.	200	°C
Cylinder Zone 3 Temp.	200 to 210	°C
Cylinder Zone 4 Temp.	210 to 220	°C
Cylinder Zone 5 Temp.	220 to 230	°C
Adapter Temperature	220 to 240	°C
Die Temperature	220 to 240	°C

NOTE	
1.	On compression molded samples

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Recommended distributors for this material

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