

Orevac® 18345 RNP

Enhanced Polyethylene

Arkema

Message:

OREVAC® 18345 RNP is a maleic anhydride modified linear low-density polyethylene available in black powder form.

Applications

OREVAC® 18345 RNP has been designed to be used as topcoat-layer coatings (epoxy primer/polyethylene) for external pipe protection, especially for coating field joint applications.

General Information			
Features	Good Adhesion		
	Medium Heat Resistance		
Uses	Pipe Coatings		
Appearance	Black		
Forms	Powder		
Processing Method	Coating		
	Sintering		
	Spraying		
Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238, ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	49		ASTM D2240, ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	13.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	700	%	ASTM D638, ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	88.0	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	121	°C	ISO 11357-3
NOTE			
1.	Loading 1 (10 N)		

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