

# Orevac® 18732

Polypropylene

Arkema

Message:

OREVAC® 18732 is a maleic anhydride modified polypropylene available in pellet form. It can be processed on most extrusion equipments designed to process conventional polyolefins.

Applications

OREVAC® 18732 is mainly used in applications where mechanical and adhesive performances at high temperatures are required. OREVAC® 18732 is used as tie layer in 3 layers polypropylene coatings (epoxy primer / adhesive / polypropylene) for external protection of steel pipe.

General Information			
Features	Non-Corrosive		
Uses	Adhesives		
	Pipe Coatings		
	Tie-Layer		
Forms	Pellets		
Processing Method	Extrusion		
	Extrusion Coating		

Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm <sup>3</sup>	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238, ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break, Compression Molded)	20.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, Compression Molded)	500	%	ASTM D638, ISO 527-2

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	120	°C	ISO 306/A, ASTM D1525 <sup>1</sup>
Melting Temperature	134	°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.	215 to 230	°C
Die Temperature	220 to 240	°C

NOTE			
1.	Loading 1 (10 N)		

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