

Orevac® 18334

Linear Low Density Polyethylene

Arkema

Message:

OREVAC® 18334 is a maleic anhydride modified linear low-density polyethylene available in pellet form. It can be processed on most extrusion equipment designed to process conventional polyolefins.

Applications

OREVAC® 18334 has been designed to develop a reliable bonding strength between polyethylene or ethylene copolymers and polar resins such as polyamides and EVOH within a coextrusion process.

OREVAC® 18334 is recommended for blow moulding or tube coextrusion.

OREVAC® 18334 can be used as the adhesive for three layers pipe coating.

General Information			
Features	Good Adhesion		
	Good Processability		
	Oxidation Resistant		
Uses	Adhesives		
	Blow Molding Applications		
	Pipe Coatings		
Forms	Pellets		
Processing Method	Blow Molding		
	Coextrusion		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638, ISO 527-2
Yield, Compression Molded	9.50	MPa	
Break, Compression Molded	28.0	MPa	
Tensile Elongation (Break, Compression Molded)	700	%	ASTM D638, ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	101	°C	ASTM D1525, ISO 306
Melting Temperature	125	°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
Die Temperature	220 to 240	°C

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