Orevac® 18750

Polypropylene Homopolymer

Arkema

Message:

OREVAC[®] 18750 is a coextrusion coating adhesive based on a maleic anhydride modified polypropylene resin. It is available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyolefin. Applications

OREVAC® 18750 is a tie resin to be used in extrusion coating and extrusion lamination technologies. It has been designed to develop adhesion in these processes onto substrates like aluminum foil (*), paper or PP films and in coextrusion with resins like PP and PA. OREVAC® 18750 exhibits excellent processing properties, particularly regarding drawability, neck-in and melt stability. In addition to adhesive properties, the special formulation of OREVAC® 18750 allows to design aluminum lids for PP or PP coated cups and containers with controlled opening forces.

(*) Adhesion performance to aluminum foil is strongly dependant on thermal conditions in the laminator. Standard conditions of coating onto cold aluminum foil require using a specific post heating treatment in which the OREVAC layer must be molten again.

General Information			
Features	Good Adhesion		
	Good Drawdown		
	Good Processability		
	Good Thermal Stability		
	High Melt Stability		
	Non-Corrosive		
Uses	Coating Applications		
	Drink Lids		
	Foil Coatings		
	Laminates		
	Lids		
	Pipe Coatings		
	Tie-Layer		
Forms	Pellets		
Processing Method	Coextrusion		
	Extrusion Coating		
	Laminating		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm³	ISO 1183, ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16			
kg)	35	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (0.0250 mm)	500	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield, 0.0250 mm)	16.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break, 0.0250 mm)	> 700	%	ASTM D638, ISO 527-2

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	121	°C	ISO 306/A, ASTM D1525 ¹
Melting Temperature	160	°C	ISO 11357-3
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 90.0	°C	
Drying Time	2.0 to 4.0	hr	
Cylinder Zone 1 Temp.	200 to 220	°C	
Cylinder Zone 2 Temp.	220 to 250	°C	
Cylinder Zone 3 Temp.	250 to 275	°C	
Cylinder Zone 4 Temp.	275	°C	
Die Temperature	275	°C	
NOTE			
1.	Loading 1 (10 N)		

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

