

OREVAC® 18380

DESCRIPTION

Orevac® 18380 resin is a maleic anhydride modified LLDPE designed for the coextrusion of multilayer barrier structures providing outstanding adhesion between the layers.

APPLICATIONS

- Cast films
- Bonds to polyethylene, polypropylene, EVOH copolymers, polyamides and ionomers
- Adhesion promoter for metallization of PP films

GENERAL CHARACTERISTICS

Properties	Value	Unit	Test Method
Melt Index (190°C, 2.16Kg)	4.0	g/10 mm	ASTM D 1238 ISO 1133
Density	0.911	-	ASTM 1505 ISO R1183
Melting temperature	120 / 248	°C / °F	DSC
Vicat Temperature	83 / 181	°C / °F	ASTM D 1525-82 ISO 306
Tensile Strength at break	20/ 2900	Mpa / psi	ASTM D 638 ISO R527
Elongation at break	920	%	ASTM D 638 ISO R527
Young's Modulus	150 / 22000	Mpa / psi	ASTM D 638 ISO R527
Shore D	42	-	ASTM D2240-85 ISO 868
Haze (50 microns film)	6	%	
Dart test (50 microns film)	435	Grams	

MAIN PROPERTIES

- Outstanding adhesion to PE, EVOH, PA
- Excellent processability

PROCESSING RECOMMENDATIONS

Orevac® resins can be processed on equipment used for polyethylene (LDPE) and ethylene copolymers. The usual processing temperatures are:

Extruder: 180-190°C up to 210-220°C (360-375°F up to 410-430°F)

Die: 220-240°C (430-460°F)

PACKAGING

Orevac® resins are supplied in pellet form and packaged in 25 Kg (55 lbs) polyethylene bags and 500Kg (1102lbs) octabins. They should be stored in a dry and cool area.

For more information: visit www.orevac.com

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The information contained in this document is based on trials carried out by our laboratories and data selected from the literature. It shall in no event be held to constitute or imply any warranty. Our formal specifications define the limits of our commitment. No liability whatsoever can be accepted by Arkema with regard to the handling, processing or use of the products that must in all cases be employed in accordance with all relevant laws and/or regulations of the country of use. CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, discuss with your Arkema customer service representative.

