

Borealis Borcoat™ EA165E Elastomer Modified Polypropylene for Extrusion

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Borcoat EA165E is an elastomer modified compound, based on a high molecular weight copolymer. The elastomer modification gives excellent low temperature impact resistance. Borcoat EA165E is recommended for sheet, pipe extrusion, pipe coating and thermoforming of industrial parts, either as such or as a coextruded layer. It is suitable for applications requiring excellent low temperature performance. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borcoat-EA165E-Elastomer-Modified-Polypropylene-for-Extrusion.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 230 °C	0.30 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ISO 868
Tensile Strength, Yield	18.0 MPa	2610 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	4.0 %	4.0 %	At 50 mm/min; ISO 527-2
Flexural Modulus	0.800 GPa	116 ksi	At 2 mm/min; ISO 178
Charpy Impact, Notched	6.50 J/cm ² @Temperature -20.0 °C	30.9 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
	7.50 J/cm ² @Temperature 0.000 °C	35.7 ft-lb/in ² @Temperature 32.0 °F	ISO 179/1eA

Processing Properties	Metric	English	Comments
Front Barrel Temperature	210 - 230 °C	410 - 446 °F	
Die Temperature	230 - 240 °C	446 - 464 °F	
Melt Temperature	230 - 240 °C	446 - 464 °F	
Head Temperature	230 - 240 °C	446 - 464 °F	

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