

Borealis BorECO™ BEC5015 Polypropylene Block Copolymer for Non-Pressure Pipes

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Extrusion Grade

Material Notes:

BorECO BEC5015 is a high molecular weight, low melt flow rate polypropylene block copolymer with high stiffness and impact strength. BorECO BEC5015 is recommended for solid wall and structured wall non-pressure pipes, fittings, and chambers, thin-walled corrugated pipes and profiles. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BorECO-BEC5015-Polypropylene-Block-Copolymer-for-Non-Pressure-Pipes.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
Tensile Strength, Yield	30.00 MPa	4351 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	10 %	10 %	At 50 mm/min; ISO 527-2
Tensile Modulus	1.50 GPa	218 ksi	ISO 527
Charpy Impact, Notched	7.00 J/cm ²	33.3 ft-lb/in ²	ISO 179/1eA
	0.700 J/cm ² @Temperature -20.0 °C	3.33 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA

Processing Properties	Metric	English	Comments
Front Barrel Temperature	200 - 220 °C	392 - 428 °F	
Die Temperature	210 - 220 °C	410 - 428 °F	
Melt Temperature	210 - 230 °C	410 - 446 °F	
Head Temperature	210 - 220 °C	410 - 428 °F	

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