

Borealis BA390TF Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

BA390TF is a high molecular weight, low melt flow rate polypropylene block copolymer with very high impact strength. Applications:

BA390TF is recommended for foam extrusion, or thermoforming. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BA390TF-Polypropylene-Copolymer.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	28.0 MPa	4060 psi	50mm/min; ISO 527-2
Elongation at Yield	6.0 %	6.0 %	50mm/min; ISO 527-2
Flexural Modulus	1.30 GPa	189 ksi	2mm/min; ISO 178
Charpy Impact, Notched	0.450 J/cm ² @Temperature -20.0 °C	2.14 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
	5.00 J/cm ² @Temperature 23.0 °C	23.8 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Melting Point	163 °C	325 °F	DSC; ISO 3146
Vicat Softening Point	147 °C @Load 1.02 kg	297 °F @Load 2.25 lb	ISO 306

Processing Properties	Metric	English	Comments
Shelf Life	18.0 Month	18.0 Month	

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