

Borealis BJ100HP Polypropylene Copolymer

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

Material Notes:

BJ100HP is a special low viscosity polypropylene compound developed to fit the production of PP-GF composites in the direct LFT compression and injection molding process as well as in combination with LGF concentrates on the injection molding process. The product is available in natural color. Applications: BJ100HP has been developed especially for applications like: front end carriers, under body shielddings, door module carriers, dashboard carriers, and battery supports. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BJ100HP-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.904 g/cc	0.0327 lb/in ³	ISO 1183
Melt Flow	90 g/10 min @Load 2.16 kg, Temperature 230 °C	90 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	50mm/min; ISO 527-2
Elongation at Break	10 %	10 %	ISO 527-2
Tensile Modulus	1.30 GPa	189 ksi	1mm/min; ISO 527-2
Charpy Impact Unnotched	4.10 J/cm ² @Temperature -20.0 °C	19.5 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eU
	7.50 J/cm ² @Temperature 23.0 °C	35.7 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eU

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	ISO 3146

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	220 - 270 °C	428 - 518 °F	mass temperature
Mold Temperature	30.0 - 60.0 °C	86.0 - 140 °F	

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