

Borealis BJ356MO Polypropylene Copolymer

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

Material Notes:

BJ356MO is a heterophasic copolymer. This grade provides very high melt flow rate, very high stiffness and medium impact strength. and is designed for high-speed injection molding and contains nucleating and antistatic/demolding additives. Components molded from this grade show good ejectability and combine excellent stiffness with very good gloss, good antistatic and excellent organoleptic properties.

Applications: thin wall containers, household applications, and technical parts. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BJ356MO-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.906 g/cc	0.0327 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	
Melt Flow	100 g/10 min @Load 2.16 kg, Temperature 230 °C	100 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	93	93	ISO 2309-2
Tensile Strength, Yield	29.0 MPa	4210 psi	50mm/min; ISO 527-2
Elongation at Yield	4.0 %	4.0 %	50mm/min; ISO 527-2
Tensile Modulus	1.65 GPa	239 ksi	1mm/min; ISO 527-2
Charpy Impact, Notched	0.250 J/cm ² @Temperature -20.0 °C	1.19 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
	0.450 J/cm ² @Temperature 23.0 °C	2.14 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA
Puncture Energy	10.0 J @Temperature 0.000 °C	7.38 ft-lb @Temperature 32.0 °F	ISO 6603-2
	10.0 J @Temperature -20.0 °C	7.38 ft-lb @Temperature -4.00 °F	ISO 6603-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	105 °C	221 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 260 °C	410 - 500 °F	
Mold Temperature	20.0 - 50.0 °C	68.0 - 122 °F	
Hold Pressure	20.0 - 50.0 MPa	2900 - 7250 psi	

Descriptive Properties	Value	Comments
Injection Velocity	highest possible	

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