

Borealis BD310MO Polypropylene Copolymer

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

Material Notes:

BD310MO is a heterophasic copolymer. This grade is characterized by an optimum combination of good impact strength and very high stiffness. This grade is mildly nucleated to maximize the mechanical stiffness. This grade contains antistatic and demolding additives which, together with enhanced nucleation, create a high potential for cycle time reduction. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BD310MO-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 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	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	91	91	ISO 2039-2
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
Tensile Modulus	1.40 GPa	203 ksi	1mm/min; ISO 527-2
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
	0.900 J/cm ² @Temperature 23.0 °C	4.28 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA
Puncture Energy	10.0 J @Temperature -20.0 °C	7.38 ft-lb @Temperature -4.00 °F	ISO 6603-2
	13.0 J @Temperature 0.000 °C	9.59 ft-lb @Temperature 32.0 °F	ISO 6603-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	92.0 °C	198 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Melt Temperature	230 - 260 °C	446 - 500 °F	
Mold Temperature	10.0 - 30.0 °C	50.0 - 86.0 °F	
Hold Pressure	20.0 - 50.0 MPa	2900 - 7250 psi	

Descriptive Properties	Value	Comments
Injection Velocity	highest possible	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China