

Borealis BD950MO Polypropylene Copolymer

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

Material Notes:

BD950MO is a heterophasic copolymer. This grade is intended for compression and injection molding. The main features of this grade are good stiffness and impact resistance, very good process ability, high melt strength and extremely low tendency to stress whitening. This grade uses Borealis Nucleation Technology (BNT) to increase productivity by cycle time reduction. As with all BNT grades, products exhibit excellent dimensional consistency with different colorants. In addition, this grade provides excellent creep resistance and optimum stiffness-impact balance. This polymer contains slip and antistatic additives to ensure good demolding properties, low dust attraction and low friction coefficient which meets the industry standards for closure opening torques. Applications: caps and closures for beverage food and industrial packaging. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-BD950MO-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Linear Mold Shrinkage	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 230 °C	7.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	89	89	ISO 2039-2
Tensile Strength, Yield	27.0 MPa	3920 psi	50mm/min; ISO 527-2
Elongation at Yield	4.5 %	4.5 %	50mm/min; ISO 527-2
Tensile Modulus	1.50 GPa	218 ksi	1mm/min; ISO 527-2
Charpy Impact, Notched	0.450 J/cm² @Temperature -20.0 °C	2.14 ft-lb/in² @Temperature -4.00 °F	ISO 179/1eA
	0.850 J/cm² @Temperature 23.0 °C	4.04 ft-lb/in² @Temperature 73.4 °F	ISO 179/1eA
Puncture Energy	15.0 J @Temperature -20.0 °C	11.1 ft-lb @Temperature -4.00 °F	ISO 6603-2
	20.0 J @Temperature 0.000 °C	14.8 ft-lb @Temperature 32.0 °F	ISO 6603-2

Thermal Properties	Metric	English	Comments
--------------------	--------	---------	----------

Deflection Temperature at 0.46 MPa (0.07 psi) Thermal Properties	110 °C Metric	230 °F English	ISO 75-2 Comments
--	------------------	-------------------	----------------------

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