

Borealis Bormed™ HD850MO Polypropylene Copolymer for Healthcare Applications

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

Material Notes:

Bormed HD850MO is a medium melt flow rate polypropylene homo polymer using the Borealis Nucleation Technology (BNT). This provides a polypropylene with excellent dimensional stability and its high crystallization temperature allows for reduced cycle time and increased output. Products made from Bormed HD850MO are characterized by excellent clarity and balanced stiffness/impact properties. Due to the high HDT-value, products made from this grade be steam-sterilized (121 °C during 20 minutes). Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Bormed-HD850MO-Polypropylene-Copolymer-for-Healthcare-Applications.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in ³	ISO 1183
Melt Flow	8.0 g/10 min	8.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	105	105	ISO 2039-2
Tensile Strength, Yield	38.0 MPa	5510 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	7.5 %	7.5 %	At 50 mm/min; ISO 527-2
Tensile Modulus	1.80 GPa	261 ksi	At 1 mm/min; ISO 527-2
Charpy Impact, Notched	0.550 J/cm ²	2.62 ft-lb/in ²	ISO 179/1eA
Impact Test	25.0 J	18.4 ft-lb	Instrumental Falling Weight - Total Penetration Energy; ISO 6603-2
	@Temperature -20.0 °C	@Temperature -4.00 °F	
	35.0 J	25.8 ft-lb	Instrumental Falling Weight - Total Penetration Energy; ISO 6603-2
	@Temperature 0.000 °C	@Temperature 32.0 °F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	112 °C	234 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Middle Barrel Temperature	170 - 190 °C	338 - 374 °F	
Die Temperature	175 - 190 °C	347 - 374 °F	

Processing Properties

Metric

English

Comments

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