

Borealis Bormed™ HF855MO Polypropylene Homopolymer for Medical Applications

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

Material Notes:

Bormed HF855MO is a high modulus polypropylene homopolymer and is especially developed within the proprietary Borstar technology. Bormed HF855MO combines an unique balance of properties for high speed injection molding allowing fast cycle time due to high de-molding temperature as well as reduced cooling time. Bormed HF855MO is designed for containers and products with medium to long flow lengths, rectangular and flat products, pharmaceutical and diagnostic packaging, and syringe plungers. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Bormed-HF855MO-Polypropylene-Homopolymer-for-Medical-Applications.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	112	112	ISO 2039-2
Tensile Strength, Yield	40.0 MPa	5800 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	6.0 %	6.0 %	At 50 mm/min; ISO 527-2
Tensile Modulus	2.20 GPa	319 ksi	At 1 mm/min; ISO 527-2
Charpy Impact, Notched	0.250 J/cm ²	1.19 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	122 °C	252 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 °C	428 - 500 °F	
Mold Temperature	30.0 - 60.0 °C	86.0 - 140 °F	

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