

Borealis HE125MO Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

HE125MO is a polypropylene homopolymer intended for injection molding. This grade is characterized by good flow properties and high stiffness in and is specially suitable for high-speed injection molding of articles demanding easy flow. Its very good organoleptic properties allows this grade to be used with any master batch without discoloring problems. Applications: house ware and thin wall packaging, articles with rather long and narrow flow lengths. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-HE125MO-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	0.908 g/cc	0.0328 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	100	100	ISO 2039-2
Tensile Strength, Yield	34.5 MPa	5000 psi	50mm/min; ISO 527-2
Elongation at Yield	9.0 %	9.0 %	50mm/min; ISO 527-2
Flexural Modulus	1.55 GPa	225 ksi	1mm/min; ISO 527-2
Charpy Impact, Notched	0.350 J/cm ² @Temperature 23.0 °C	1.67 ft-lb/in ² @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 °C	428 - 500 °F	
Mold Temperature	20.0 - 40.0 °C	68.0 - 104 °F	
Hold Pressure	20.0 - 50.0 MPa	2900 - 7250 psi	

Descriptive Properties	Value	Comments
Injection Velocity	high	

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