

## Borealis HG385MO Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

### Material Notes:

HG385MO is a polypropylene homopolymer intended for injection molding. This grade combines unique Borstar® reactor design with Borstar® nucleation technology to produce highly-crystalline polypropylene. This product is characterized by excellent flow properties combined with a narrow molecular weight distribution well suited for low distortion products. This grade contains anti-static and slip additives, which result in short cycle time, good demolding and low dust attraction. Products molded from this grade exhibit excellent dimension consistency combined with high stiffness. Applications: caps and closures, and items requiring good antistatic properties. Information provided by Borealis AG

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Borealis-HG385MO-Polypropylene.php](http://www.lookpolymers.com/polymer_Borealis-HG385MO-Polypropylene.php)

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in <sup>3</sup>	ISO 1183
Linear Mold Shrinkage	0.010 - 0.020 cm/cm	0.010 - 0.020 in/in	
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 230 °C	25 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	98	98	ISO 2039-2
Tensile Strength, Yield	36.5 MPa	5290 psi	50mm/min; ISO 527-2
Elongation at Yield	8.0 %	8.0 %	50mm/min; ISO 527-2
Tensile Modulus	1.75 GPa	254 ksi	1mm/min; ISO 527-2
Charpy Impact, Notched	0.350 J/cm <sup>2</sup> @Temperature 23.0 °C	1.67 ft-lb/in <sup>2</sup> @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	115 °C	239 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Melt Temperature	220 - 260 °C	428 - 500 °F	
Mold Temperature	10.0 - 30.0 °C	50.0 - 86.0 °F	
Hold Pressure	20.0 - 50.0 MPa	2900 - 7250 psi	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Injection Velocity		highest possible	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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