

Borealis Borsoft™ SE410MO Polypropylene for Injection Molding

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

Material Notes:

Borsoft SE410MO is a specially designed modified relatively soft polypropylene heterophasic copolymer with medium melt flow intended for injection molding. Borsoft SE410MO is a tailor made grade designed for easy production of injection molded lids requiring flexibility, high impact strength, and normal copolymer shrinkage without losing too much stackability properties. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borsoft-SE410MO-Polypropylene-for-Injection-Molding.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.015 cm/cm	0.015 in/in	
Melt Flow	15 g/10 min @Load 2.16 kg, Temperature 230 °C	15 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	70	70	ISO 2039-2
Tensile Strength, Yield	20.99 MPa	3045 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	7.0 %	7.0 %	At 50 mm/min; ISO 527-2
Tensile Modulus	1.00 GPa	145 ksi	At 1 mm/min; ISO 527-2
Charpy Impact, Notched	1.40 J/cm ²	6.66 ft-lb/in ²	ISO 179/1eA
	0.600 J/cm ² @Temperature -20.0 °C	2.86 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
Impact Test	36.0 J @Temperature 0.000 °C	26.6 ft-lb @Temperature 32.0 °F	Total Penetration Energy; ISO 6603-2
	39.0 J @Temperature -20.0 °C	28.8 ft-lb @Temperature -4.00 °F	Total Penetration Energy; ISO 6603-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	ISO 75-2

Processing Properties	Metric	English	Comments
Melt Temperature	210 - 260 °C	410 - 500 °F	
Mold Temperature	30.0 - 40.0 °C	86.0 - 104 °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