

Borealis Bormed™ BE860MO Polypropylene Copolymer for Healthcare Applications

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

Material Notes:

Bormed BE860MO is a heterophasic copolymer characterized by an excellent impact strength also at low temperatures (deep freeze applications) together with high stiffness and good flow properties. Bormed BE860MO is designed for caps and closures, pharmaceutical and diagnostics packaging, and medical devices. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Bormed-BE860MO-Polypropylene-Copolymer-for-Healthcare-Applications.php

Physical Properties	Metric	English	Comments
Density	0.902 g/cc	0.0326 lb/in ³	ISO 1183
Melt Flow	13 g/10 min @Load 2.16 kg, Temperature 230 °C	13 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	86	86	ISO 2039-2
Tensile Strength, Yield	25.0 MPa	3630 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	6.0 %	6.0 %	At 50 mm/min; ISO 527-2
Tensile Modulus	1.25 GPa	181 ksi	At 1 mm/min; ISO 527-2
Charpy Impact, Notched	0.800 J/cm ²	3.81 ft-lb/in ²	ISO 179/1eA
	0.400 J/cm ² @Temperature -20.0 °C	1.90 ft-lb/in ² @Temperature -4.00 °F	ISO 179/1eA
Impact Test	25.0 J @Temperature -20.0 °C	18.4 ft-lb @Temperature -4.00 °F	Instrumental Falling Weight - Total Penetration Energy; ISO 6603-2
	35.0 J @Temperature 0.000 °C	25.8 ft-lb @Temperature 32.0 °F	Instrumental Falling Weight - Total Penetration Energy; ISO 6603-2

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	85.0 °C	185 °F	ISO 75-2

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