

Borealis Bormed™ HD810MO Polypropylene Copolymer for Medical Applications

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

Material Notes:

Bormed HD810MO is a specially modified polypropylene homopolymer intended for use in medical and medical related applications, which have to be sterilized by radiation. Products molded in HD810MO and radiated by gamma rays at a dose of 25 kGy have a shelf life of a minimum of 5 years, if stored at a temperature below 40°C. Bormed HD810MO is designed for excellent transparency, excellent chemical resistance, good physical properties, and good printability. Information provided by the Manufacturer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Bormed-HD810MO-Polypropylene-Copolymer-for-Medical-Applications.php

Physical Properties	Metric	English	Comments
Density	0.907 g/cc	0.0328 lb/in ³	ISO 1183
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	94	94	ISO 2039-2
Tensile Strength, Yield	29.5 MPa	4280 psi	At 50 mm/min; ISO 527-2
Elongation at Yield	13 %	13 %	At 50 mm/min; ISO 527-2
Tensile Modulus	1.10 GPa	160 ksi	At 1 mm/min; ISO 527-2
Charpy Impact, Notched	0.450 J/cm ²	2.14 ft-lb/in ²	ISO 179/1eA

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ISO 75-2

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