Borealis Bormed™ RF830MO Polypropylene Copolymer for Healthcare Applications

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

Material Notes:

Bormed RF830MO is a specialty modified random copolymer polypropylene with high melt flow intended for use in medical and medical related articles. Bormed RF830MO is characterized by easy processability, high transparency, high gloss, and good stiffness and impact strength.Bormed RF830MO is designed for use in devices such as syringes and needle hubs, blood and urine tubes, catheter connections, screw caps and closures, and laboratory disposable.Information provided by the Manufacturer.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Borealis-Bormed-RF830MO-Polypropylene-Copolymer-for-Healthcare-Applications.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in³	ASTM D792
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 °C	20 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ASTM D785
Tensile Strength, Yield	28.0 MPa	4060 psi	At 50 mm/min; ASTM D638
Elongation at Yield	12 %	12 %	At 50 mm/min; ASTM D638
Tensile Modulus	1.15 GPa	167 ksi	At 1 mm/min; ASTM D638
Charpy Impact, Notched	0.600 J/cm²	2.86 ft-lb/in²	ASTM D4812

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ASTM D648

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