

Borealis Bormed™ RB801CF Polypropylene Random Copolymer

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

Material Notes:

Bormed™ RB801CF is a random copolymer. Applications: Bormed™ RB801CF is intended for packaging for medical devices, pouches, and packaging for pharmaceutical products. Additives: Bormed™ RB801CF contains no slip, antiblock, antistatic additives or nucleating additives. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Bormed-RB801CF-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in³	ISO 1183
Melt Flow	1.9 g/10 min @Load 2.16 kg, Temperature 230 °C	1.9 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Modulus	0.400 GPa	58.0 ksi	MD/TD; ISO 527-3
Flexural Modulus	0.750 GPa	109 ksi	50% humidity; ISO 178
Dart Drop, Total Energy	40.0 J @Thickness 0.0500 mm	29.5 ft-lb @Thickness 0.00197 in	1300N; ISO 7765-2
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ISO 527-3
Film Tensile Strength at Break, TD	30.0 MPa	4350 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	140 °C	284 °F	ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	60.0 °C	140 °F	ISO 75-2
Vicat Softening Point	128 °C	262 °F	A50; ISO 306

Optical Properties	Metric	English	Comments
Haze	<= 1.0 %	<= 1.0 %	ASTM D1003
Gloss	>= 150 %	>= 150 %	20° of arc; ASTM D2457

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