

Borealis Bormed™ RD804CF Polypropylene Random Copolymer

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

Material Notes:

Bormed™ RD804CF is a random copolymer. This grade is suitable for the manufacturing of unoriented films on chill roll processes.

Applications Bormed™ RD804CF is recommended for packaging for medical devices, and medical applications. Additives: Bormed™

RD804CF 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-RD804CF-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in³	base resin; ISO 1183
Melt Flow	8.0 g/10 min	8.0 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Modulus	0.550 GPa	79.8 ksi	MD/TD; ISO 527-3
Flexural Modulus	1.00 GPa	145 ksi	50% humidity; ISO 178
Dart Drop, Total Energy	17.0 J	12.5 ft-lb	1000N; ISO 4465-2
	@Thickness 0.0500 mm	@Thickness 0.00197 in	
Film Tensile Strength at Break, MD	40.0 MPa	5800 psi	ISO 527-3
Film Tensile Strength at Break, TD	35.0 MPa	5080 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	150 °C	302 °F	DSC; ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	70.0 °C	158 °F	ISO 75-2
Vicat Softening Point	139 °C	282 °F	A50; ISO 306
	@Load 1.02 kg	@Load 2.25 lb	

Optical Properties	Metric	English	Comments
Haze	<= 2.0 %	<= 2.0 %	ASTM D1003
Gloss	>= 130 %	>= 130 %	20° of arc; ASTM D2457

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