

Borealis Bormed™ SC820CF Polypropylene Random Copolymer

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

Material Notes:

Bormed™ SC820CF is a very soft random heterophasic copolymer. Applications: Bormed™ SC820CF is recommended for packaging for medical devices. Bormed™ SC820CF 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-SC820CF-Polypropylene-Random-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ISO 1183
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Tensile Modulus	0.330 GPa	47.9 ksi	MD/TD; ISO 527-3
Flexural Modulus	0.550 GPa	79.8 ksi	50% humidity; ISO 178
Dart Drop, Total Energy	15.0 J	11.1 ft-lb	1200N; ISO 7765-2
Film Tensile Strength at Break, MD	50.0 MPa	7250 psi	ISO 527-3
Film Tensile Strength at Break, TD	50.0 MPa	7250 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	141 °C	286 °F	DSC; ISO 3146
Vicat Softening Point	120 °C @Load 1.02 kg	248 °F @Load 2.25 lb	A50; ISO 306

Optical Properties	Metric	English	Comments
Haze	<= 1.0 %	<= 1.0 %	ASTM D1003
Gloss	>= 120 %	>= 120 %	20° of arc; ASTM D2457

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