

Borealis Borseal™ RE939CF Polypropylene Copolymer

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

Material Notes:

Borseal™ RE939CF is a random copolymer. This grade is suitable for the manufacturing of unoriented films on chill roll processes.

Applications: Borseal™ RE939CF is designed for: Food packaging, lamination films, and stationary films. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borseal-RE939CF-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.905 g/cc	0.0327 lb/in ³	ISO 1183
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
Slip Level	2000 ppm	2000 ppm	EAA; Borealis Method

Mechanical Properties	Metric	English	Comments
Tensile Modulus	0.300 GPa	43.5 ksi	MD/TD; ISO 527-3
Flexural Modulus	0.550 GPa	79.8 ksi	ISO 178
Dart Drop, Total Energy	30.0 J	22.1 ft-lb	900N; ISO 7765-2
Coefficient of Friction	>= 0.20	>= 0.20	ISO 8295
Film Tensile Strength at Break, MD	25.0 MPa	3630 psi	ISO 527-3
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	137 °C	279 °F	DSC; ISO 3146
Deflection Temperature at 0.46 MPa (66 psi)	55.0 °C	131 °F	ISO 75-2
Vicat Softening Point	116 °C @Load 1.02 kg	241 °F @Load 2.25 lb	A50; ISO 306

Optical Properties	Metric	English	Comments
Haze	<= 1.5 %	<= 1.5 %	ASTM D1003
Gloss	135 %	135 %	20° of arc; ASTM D2457

Optical Properties	Metric	English	Comments
Component Elements Properties	Metric	English	Comments
SiO2	0.18 %	0.18 %	Antiblock; Borealis Method

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