Borealis Borclear™ RB709CF Polypropylene Ethylene Copolymer

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

Material Notes:

Borclear™ RB709CF is a propylene -ethylene copolymer. This grade is suitable for the manufacturing of unoriented film on blown film lines.

Applications: Borclear™ RB709CF is recommended for sealing layer in co extrusion, food packaging, lamination films, and additives.

Borclear RB709CF is slip and antiblock freeInformation provided by Borealis AG

Order this product through the following link:
http://www.lookpolymers.com/polymer_Borealis-Borclear-RB709CF-Polypropylene-Ethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 - 0.910 g/cc	0.0325 - 0.0329 lb/in³	ISO 1183
Melt Flow	1.5 g/10 min @Load 2.16 kg, Temperature 230 °C	1.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	550 - 600 %	550 - 600 %	MD/TD; ISO 527-3
Tensile Modulus	0.730 GPa	106 ksi	MD/TD; ISO 527-3
Flexural Modulus	0.650 GPa	94.3 ksi	ISO 178
Dart Drop, Total Energy	50.0 J	36.9 ft-lb	ISO 7765-1
Coefficient of Friction	>= 0.70	>= 0.70	film to film; ISO 8295
Film Tensile Strength at Break, MD	30.0 - 40.0 MPa	4350 - 5800 psi	ISO 527-3
Film Tensile Strength at Break, TD	25.0 - 35.0 MPa	3630 - 5080 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	133 - 136 °C	271 - 277 °F	ISO 3146
Vicat Softening Point	115 °C @Load 1.02 kg	239 °F @Load 2.25 lb	A50; ISO 306

Optical Properties	Metric	English	Comments
Haze	<= 3.0 %	<= 3.0 %	ASTM D1003
Gloss	>= 85 %	>= 85 %	20° of arc; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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