Borealis BB213CF Polypropylene Copolymer

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

Material Notes:

BB213CF is a heterophasic copolymer. This grade is suitable for the manufacturing of unoriented films on cast and tubular quench film lines. Applications: BB213CF is recommended for food packaging, lamination films, stationary films, and monoaxial oriented films.Information provided by Borealis AG

Order this product through the following link:
http://www.lookpolymers.com/polymer_Borealis-BB213CF-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.900 - 0.910 g/cc	0.0325 - 0.0329 lb/in³	ISO 1183
Melt Flow	1.2 g/10 min @Load 2.16 kg, Temperature 230 °C	1.2 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	550 - 750 %	550 - 750 %	ISO 527-3
Film Elongation at Break, TD	550 - 750 %	550 - 750 %	ISO 527-3
Tensile Modulus	0.500 - 0.600 GPa	72.5 - 87.0 ksi	MD/TD; ISO 527-2
Flexural Modulus	1.10 GPa	160 ksi	50% relative humidity; ISO 178
Dart Drop, Total Energy	26.0 J @Thickness 0.0500 mm	19.2 ft-lb @Thickness 0.00197 in	1100 N force; ISO 7765-2
Film Tensile Strength at Break, MD	40.0 - 60.0 MPa	5800 - 8700 psi	ISO 527-3
Film Tensile Strength at Break, TD	30.0 - 50.0 MPa	4350 - 7250 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	158 - 162 °C	316 - 324 °F	DSC; ISO 3146
Vicat Softening Point	149 °C @Load 1.02 kg	300 °F @Load 2.25 lb	A50; ISO 306

Optical Properties	Metric	English	Comments
Haze	<= 30 %	<= 30 %	ASTM D1003
Gloss	>= 5.0 %	>= 5.0 %	ASTM D2457

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