Borealis Borstar® FB3450 HDPE for Film Extrusion

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Borstar® FB3450 is a high density polyethylene. Borstar® FB3450 is well suited for multilayer coextruded films where higher stiffness and toughness than in standard LDPE and LLDPE is required. Applications: Borstar® FB3450 has been developed especially for applications like blending, and general packaging filmInformation provided by Borealis AG

Order this product through the following link:
http://www.lookpolymers.com/polymer_Borealis-Borstar-FB3450-HDPE-for-Film-Extrusion.php

Physical Properties	Metric	English	Comments
Density	0.945 g/cc	0.0341 lb/in³	ISO 1183
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 190 °C	0.30 g/10 min @Load 4.76 lb, Temperature 374 °F	ISO 1133
	1.2 g/10 min @Load 5.00 kg, Temperature 190 °C	1.2 g/10 min @Load 11.0 lb, Temperature 374 °F	ISO 1133
	25 g/10 min @Load 21.6 kg, Temperature 190 °C	25 g/10 min @Load 47.6 lb, Temperature 374 °F	ISO 1133

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	100 %	100 %	ISO 527-3
Film Elongation at Break, TD	390 %	390 %	ISO 527-3
Tensile Modulus	0.290 GPa	42.1 ksi	MD; ASTM D882-A
	0.340 GPa	49.3 ksi	TD; ASTM D882-A
Dart Drop, Total Energy	2.10 J	1.55 ft-lb	74N; ASTM D5748
Coefficient of Friction	0.50	0.50	ISO 8295
Dart Drop Test	100 g	0.221 lb	ISO 7765-1
Film Tensile Strength at Break, MD	44.0 MPa	6380 psi	ISO 527-3
Film Tensile Strength at Break, TD	26.0 MPa	3770 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	128 °C	262 °F	ISO 11357-3

Thermal Properties	Metric	English	Comments

Optical Properties	Metric	English	Comments
Haze	24 %	24 %	ASTM D1003
Gloss	40 %	40 %	ASTM D2457

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