

Borealis Borstar® FB1350 Medium Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE

Material Notes:

Borstar® FB1350 is a linear medium density polyethylene grade combining excellent extrusion properties with high film stiffness. Borstar® FB1350 is well suited for mono- and coextrusion of films produced with high neck or low neck extrusion. Applications Borstar® FB1350 has been developed especially for applications like heavy-duty sack, general packaging, pouches, refuse sacks and liners, geomembranes, and blending. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borstar-FB1350-Medium-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.935 g/cc	0.0338 lb/in ³	ISO 1183
Melt Flow	0.70 g/10 min	0.70 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	15 g/10 min	15 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	400 %	400 %	ISO 527-3
Film Elongation at Break, TD	650 %	650 %	ISO 527-3
Tensile Modulus	0.500 GPa	72.5 ksi	MD; ASTM D882-A
	0.650 GPa	94.3 ksi	TD; ASTM D882-A
Coefficient of Friction	0.40	0.40	ISO 8295
Elmendorf Tear Strength MD	200 g	200 g	ISO 6383/2
Elmendorf Tear Strength TD	150 g	150 g	ISO 6383/2
Elmendorf Tear Strength, MD	2.04 g/micron	51.8 g/mil	ISO 6383/2
Elmendorf Tear Strength, TD	26.5 g/micron	673 g/mil	ISO 6383/2
Dart Drop Test	220 g	0.485 lb	ISO 7765-1
	@Thickness 0.0250 mm	@Thickness 0.000984 in	
Film Tensile Strength at Break, MD	57.0 MPa	8270 psi	ISO 527-3
Film Tensile Strength at Break, TD	48.0 MPa	6960 psi	ISO 527-3

Mechanical Properties	Metric	English	Comments
Processing Properties	Metric	English	Comments
Melt Temperature	190 - 210 °C	374 - 410 °F	

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