

Borealis Borstar® FB4370 Medium Density Polyethylene

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

Material Notes:

Borstar® FB4370 is a linear medium density polyethylene grade combining excellent extrusion properties with high film stiffness.

Applications: Borstar® FB4370 has been developed especially for applications like: lamination films, shrink film, automated packaging, and blending. Information provided by Borealis AG

Order this product through the following link:

http://www.lookpolymers.com/polymer_Borealis-Borstar-FB4370-Medium-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.937 g/cc	0.0339 lb/in ³	ISO 1183
Melt Flow	0.40 g/10 min	0.40 g/10 min	ISO 1133
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	2.1 g/10 min	2.1 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	530 %	530 %	ISO 527-3
Film Elongation at Break, TD	830 %	830 %	ISO 527-3
Tensile Modulus	0.450 GPa	65.3 ksi	MD; ASTM D882-A
	0.540 GPa	78.3 ksi	TD; ASTM D882-A
Coefficient of Friction	0.40	0.40	ISO 8295
Elmendorf Tear Strength, MD	3.80 g/micron	96.5 g/mil	ISO 6383/2
Elmendorf Tear Strength, TD	25.5 g/micron	648 g/mil	ISO 6383/2
Dart Drop Test	130 g	0.287 lb	ISO 7765-1
	@Thickness 0.0400 mm	@Thickness 0.00157 in	
Film Tensile Strength at Break, MD	56.0 MPa	8120 psi	ISO 527-3
Film Tensile Strength at Break, TD	39.0 MPa	5660 psi	ISO 527-3

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

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