

Bapolene® 345F Medium Density Polyethylene Film Resin

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

Material Notes:

Description: Bapolene 345F is a medium molecular weight film resin with excellent tensile, impact, and tear properties. Applications: Merchandise bags, produce and trash bags. Bapolene® and Bapolan® are registered trademarks of Bamberger Polymers, Inc. Information provided by Bamberger Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bapolene-345F-Medium-Density-Polyethylene-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.936 g/cc	0.0338 lb/in ³	ASTM D-1505
Thickness	25.0 microns	0.984 mil	4:1 blow-up ratio
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	ASTM D1238
High Load Melt Index	20 g/10 min @Load 21.6 kg, Temperature 190 °C	20 g/10 min @Load 47.6 lb, Temperature 374 °F	HLMI; ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	300 %	300 %	2 in/min; ASTM D-882
Film Elongation at Break, TD	780 %	780 %	2 in/min; ASTM D-882
Elmendorf Tear Strength, MD	15.0 g/micron	381 g/mil	ASTM D-1922
Elmendorf Tear Strength, TD	14.9 g/micron	377 g/mil	ASTM D-1922
Dart Drop	50.0 g/micron	1270 g/mil	26 in. dart; ASTM D-1709, A
Film Tensile Strength at Break, MD	52.0 MPa	7540 psi	2 in/min; ASTM D-882
Film Tensile Strength at Break, TD	38.0 MPa	5510 psi	2 in/min; ASTM D-882

Descriptive Properties	Value	Comments
Process	Blown Film	
Region	Europe/Turkey	Bamberger Polymers Distribution
	International	Bamberger Polymers Distribution
	Mexico	Bamberger Polymers Distribution

Descriptive Properties

US & Canada
Value

Bamberger Polymers Distribution
Comments

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