

Bapolene® 152F Polyethylene Film Grade

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

Material Notes:

Bapolene 152F is a hexene linear low density polyethylene with a combination of superior impact strength and HSIT. Product is designed to exhibit performance similar to that of metallocene products. It complies with US FDA 21CFR177.1520. Slip and antiblock additions distinguish 152F from 152B.Applications: General purpose packaging, trash bags, and liners.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-152F-Polyethylene-Film-Grade.php

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in³	ASTM D-1505
Thickness	25.4 microns	1.00 mil	2.5:1 BUR as tested
Melt Flow	0.70 g/10 min @Load 2.16 kg, Temperature 190 °C	0.70 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	7850 ppm	7850 ppm	
Slip Level	1425 ppm	1425 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	650 %	650 %	ASTM D-882
Film Elongation at Break, TD	860 %	860 %	ASTM D-882
Elmendorf Tear Strength MD	450 g	450 g	ASTM D-1922
Elmendorf Tear Strength TD	600 g	600 g	ASTM D-1922
Elmendorf Tear Strength, MD	17.7 g/micron	450 g/mil	ASTM D-1922
Elmendorf Tear Strength, TD	23.6 g/micron	600 g/mil	ASTM D-1922
Dart Drop Test	525 g	1.16 lb	F₅₀; ASTM D-1709
Film Tensile Strength at Break, MD	38.0 MPa	5510 psi	ASTM D-882
Film Tensile Strength at Break, TD	34.0 MPa	4930 psi	ASTM D-882
Heat Seal Strength Initiation Temperature	103 °C	217 °F	0.5 s dwell; 2 lb_f/in

Descriptive Properties	Value	Comments
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Process Descriptive Properties	Film Value	Comments
Region	Europe/Turkey	Bamberger Polymers Distribution
	International	Bamberger Polymers Distribution
	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

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