

## Bapolene® 142F Polyethylene Film Grade

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

### Material Notes:

Bapolene 142F is a hexene linear low density polyethylene for blown film applications requiring superior impact strength. Product is designed to exhibit performance similar to that of super hexene products. It complies with US FDA 21CFR177.1520. Slip and antiblock addition distinguishes 142F from 142B. Applications: General purpose, 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-142F-Polyethylene-Film-Grade.php](http://www.lookpolymers.com/polymer_Bapolene-142F-Polyethylene-Film-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in <sup>3</sup>	ASTM D-1505
Thickness	25.4 microns	1.00 mil	2.5:1 BUR as tested
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	7500 ppm	7500 ppm	
Slip Level	1400 ppm	1400 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	500 %	500 %	ASTM D-882
Film Elongation at Break, TD	650 %	650 %	ASTM D-882
Elmendorf Tear Strength MD	375 g	375 g	ASTM D-1922
Elmendorf Tear Strength TD	600 g	600 g	ASTM D-1922
Elmendorf Tear Strength, MD	14.8 g/micron	375 g/mil	ASTM D-1922
Elmendorf Tear Strength, TD	23.6 g/micron	600 g/mil	ASTM D-1922
Dart Drop Test	400 g	0.882 lb	F <sub>50</sub> ; ASTM D-1709
Film Tensile Strength at Break, MD	37.0 MPa	5370 psi	ASTM D-882
Film Tensile Strength at Break, TD	27.0 MPa	3920 psi	ASTM D-882

Descriptive Properties	Value	Comments
Process	Blown Film	

Film

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

## Contact Songhan Plastic Technology Co.,Ltd.

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