

## Bapolene® 122B Polyethylene, Film Grade

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

### Material Notes:

Bapolene LL122B is a general purpose LLDPE for blown film extrusion. This resin offers excellent tensile and toughness properties. Contains no slip and no antiblock additives. This product meets FDA standards for food contact applications. Applications: Industrial bags, shipping sacks, frozen food packaging, trash bags. Film properties are based on a thickness of 1.0 mil, blow-up ratio of 2.5:1 and 0.1 mm/mm-min Initial Strain Rate. 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-122B-Polyethylene-Film-Grade.php](http://www.lookpolymers.com/polymer_Bapolene-122B-Polyethylene-Film-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D1505
Thickness	25.4 microns	1.00 mil	2.5:1 blow-up ratio
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.3 MPa	1490 psi	ASTM D-882
Film Tensile Strength at Yield, TD	10.5 MPa	1530 psi	ASTM D-882
Film Elongation at Break, MD	595 %	595 %	ASTM D-882
Film Elongation at Break, TD	795 %	795 %	ASTM D-882
Elmendorf Tear Strength MD	110 g	110 g	ASTM D-1922
Elmendorf Tear Strength TD	490 g	490 g	ASTM D-1922
Dart Drop Test	90.0 g	0.198 lb	ASTM D-1709A
Film Tensile Strength at Break, MD	38.7 MPa	5620 psi	ASTM D-882
Film Tensile Strength at Break, TD	28.3 MPa	4100 psi	ASTM D-882
1% Secant Modulus, MD	208 MPa	30200 psi	ASTM D-882
1% Secant Modulus, TD	227 MPa	32900 psi	ASTM D-882

Optical Properties	Metric	English	Comments
Haze	18.5 %	18.5 %	ASTM D-1003
Gloss	35 %	35 %	ASTM D-2457

Descriptive Properties	Value	Comments
Process	Film	
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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