

**ExxonMobil LD 145.PX Packaging Resin (discontinued \*\*)**

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

**Material Notes:**

LD 145.PX resin is a homopolymer cast film resin offering good clarity and toughness. Applications include Bread bags and other Food Packaging. Information provided by ExxonMobil Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LD-145PX-Packaging-Resin-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_ExxonMobil-LD-145PX-Packaging-Resin-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in <sup>3</sup>	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	3.0 g/10 min	3.0 g/10 min	ExxonMobil Method
Antiblock Level	6000 ppm	6000 ppm	
Slip Level	1600 ppm	1600 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	8.00 MPa	1160 psi	at 2% offset; ASTM D882
Film Tensile Strength at Yield, TD	7.38 MPa	1070 psi	at 2% offset; ASTM D882
Film Elongation at Break, MD	180 %	180 %	ASTM D882
Film Elongation at Break, TD	540 %	540 %	ASTM D882
Film Elongation at Yield, MD	7.1 %	7.1 %	ASTM D882
Film Elongation at Yield, TD	5.8 %	5.8 %	ASTM D882
Elmendorf Tear Strength MD	280 g	280 g	ASTM D1922
Elmendorf Tear Strength TD	180 g	180 g	ASTM D1922
Elmendorf Tear Strength, MD	7.346 g/micron	186.6 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	4.72 g/micron	120 g/mil	ASTM D1922
Dart Drop	1.83 g/micron	46.6 g/mil	ASTM D1709
Dart Drop Test	70.0 g	0.154 lb	ASTM D1709
Film Tensile Strength at Break, MD	22.9 MPa	3320 psi	ASTM D882
Film Tensile Strength at Break, TD	13.5 MPa	1960 psi	ASTM D882
1% Secant Modulus, MD			ASTM D882

Mechanical Properties	152 MPa Metric	22000 psi English	Comments
1% Secant Modulus, TD	163 MPa	23600 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	109 °C	228 °F	Peak Melting Temperature; ExxonMobil Method
Crystallization Temperature	96.0 °C	205 °F	ExxonMobil Method
Vicat Softening Point	93.3 °C	200 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003
Gloss	72 %	72 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China