

## ExxonMobil LDPE LD 165BW1 Low Density Polyethylene Resin

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

### Material Notes:

Product Description: LD 165BW1 is a fractional melt index LDPE, with medium optical properties. Availability: Latin America, North America and South America Applications: Agricultural Film Blend Partner Construction Film Foams Heavy Duty Bags High Performance Collation Shrink Pallet Shrink Film Profile Extrusion Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LDPE-LD-165BW1-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-165BW1-Low-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in <sup>3</sup>	ExxonMobil method
Melt Flow	0.33 g/10 min	0.33 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.4 MPa	1800 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.7 MPa	1700 psi	ASTM D882
Film Elongation at Break, MD	160 %	160 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Puncture Energy	2.15 J	1.58 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	120 g	120 g	ASTM D1922
Elmendorf Tear Strength TD	120 g	120 g	ASTM D1922
Dart Drop Test	170 g	0.375 lb	ASTM D1709A
Film Tensile Strength at Break, MD	31.0 MPa	4500 psi	ASTM D882
Film Tensile Strength at Break, TD	26.9 MPa	3900 psi	ASTM D882
1% Secant Modulus, MD	221 MPa	32000 psi	ASTM D882
1% Secant Modulus, TD	296 MPa	43000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 233 °C	<= 451 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	16 %	16 %	ASTM D1003

Optical Properties	Metric	English	Comments
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Descriptive Properties	Value	Comments
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Puncture Force

17 lbf

ExxonMobil Method

## Contact Songhan Plastic Technology Co.,Ltd.

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