

## ExxonMobil LDPE LD 100BR Low Density Polyethylene Resin

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

### Material Notes:

**Product Description:** LD 100 series are LDPE grades, offering a good balance of optical and mechanical properties. Several additive packages are available according to the required surface properties. **Availability:** Africa & Middle East, Asia Pacific and Europe **Additive:** Antiblock: 1000 ppm Slip: 750 ppm **Thermal Stabilizer:** Yes **Applications:** Blend Partner Cast Film Compounding Foams Food packaging Form Fill and Seal Packaging Freezer Film Lamination Film Light Duty Shrink Film Liners Mail Bag Produce Bags Shoppers Textile Packaging Tough Medium Sized Molding Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LDPE-LD-100BR-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-100BR-Low-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in <sup>3</sup>	ExxonMobil method
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	1000 ppm	1000 ppm	
Slip Level	750 ppm	750 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
Film Elongation at Break, MD	330 %	330 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength TD	120 g	120 g	ASTM D1922
Dart Drop Test	80.0 g	0.176 lb	ASTM D1709A
Film Tensile Strength at Break, MD	24.8 MPa	3600 psi	ASTM D882
Film Tensile Strength at Break, TD	22.1 MPa	3200 psi	ASTM D882
1% Secant Modulus, MD	207 MPa	30000 psi	ASTM D882
1% Secant Modulus, TD	228 MPa	33000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
	°C	°F	g Point; ExxonMobil method
Optical Properties	Metric	English	Comments
Haze	6.1 %	6.1 %	ASTM D1003
Gloss	63 %	63 %	45°; ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

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