

## ExxonMobil LDPE LD 144BR Low Density Polyethylene Resin

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

### Material Notes:

**Product Description:** LD 144BR is an LDPE grade, which offers excellent optical properties combined with increased stiffness and drawdown properties.  
**Availability:** Africa & Middle East and Europe  
**Additive:** Antiblock: 1000 ppm  
**Slip:** 750 ppm  
**Thermal Stabilizer:** Yes  
**Applications:** Blend Partner Bread Bags Cast Film Co-Extrusion Films Display Packaging Film Food packaging Form Fill and Seal Packaging High Clarity Film Laundry Film Light Duty Shrink Film Mail Bag Overwrap Film Produce Bags Salad Bags  
 Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LDPE-LD-144BR-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-144BR-Low-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.927 g/cc	0.0335 lb/in <sup>3</sup>	ExxonMobil method
Melt Flow	3.1 g/10 min @Load 2.16 kg, Temperature 190 °C	3.1 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	13.1 MPa	1900 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.7 MPa	1700 psi	ASTM D882
Film Elongation at Break, MD	190 %	190 %	ASTM D882
Film Elongation at Break, TD	470 %	470 %	ASTM D882
Elmendorf Tear Strength MD	250 g	250 g	ASTM D1922
Elmendorf Tear Strength TD	130 g	130 g	ASTM D1922
Dart Drop Test	60.0 g	0.132 lb	ASTM D1709A
Film Tensile Strength at Break, MD	22.1 MPa	3200 psi	ASTM D882
Film Tensile Strength at Break, TD	17.2 MPa	2500 psi	ASTM D882
1% Secant Modulus, MD	241 MPa	35000 psi	ASTM D882
1% Secant Modulus, TD	283 MPa	41000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Melting Point	210 °C	405 °F	g Point; ExxonMobil method
Optical Properties	Metric	English	Comments
Haze	5.5 %	5.5 %	ASTM D1003
Gloss	75 %	75 %	45°; ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

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