

## ExxonMobil LDPE LD 143.26 Low Density Polyethylene Resin

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

### Material Notes:

**Product Description:** LD 143.26 is a homopolymer packaging film resin with excellent clarity and good stiffness. It is suitable for processing in either blown or cast film equipment. In blown film equipment LD 143.26 resin can be drawn down to 1.0 mil. **Availability:** Latin America, North America and South America **Additive:** Antiblock: 1500 ppm **Slip:** 750 ppm **Thermal Stabilizer:** Yes **Applications:** Blend Partner **Cast Film** **Display Packaging Film** **Food Packaging** **Form Fill and Seal Packaging** **High Clarity Film** **Lamination Film** **Light Duty Shrink Film** **Mail Bag** **Produce Bags** **Textile Packaging** Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LDPE-LD-14326-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-14326-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	2.1 g/10 min @Load 2.16 kg, Temperature 190 °C	2.1 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	1500 ppm	1500 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	190 %	190 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Puncture Energy	0.463 J	0.342 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	380 g	380 g	ASTM D1922
Elmendorf Tear Strength TD	160 g	160 g	ASTM D1922
Dart Drop Test	80.0 g	0.176 lb	ASTM D1709A
Film Tensile Strength at Break, MD	24.1 MPa	3500 psi	ASTM D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM D882
1% Secant Modulus, MD	207 MPa	30000 psi	ASTM D882
1% Secant Modulus, TD	248 MPa	36000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 232 °C	<= 450 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	6.2 %	6.2 %	ASTM D1003
Gloss	72 %	72 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	7 lbf	ExxonMobil Method

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