

## ExxonMobil LDPE LD 156HE Low Density Polyethylene Resin

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

### Material Notes:

**Product Description:** LD 156 series are LDPE grades, specially designed for lamination films and co-extruded films. They offer good mechanical, stiffness and optical properties, combined with very low gel level. These grades have a Film Appearance specification. Two additive packages are available tailored to the needs of the laminator. LD 156 is manufactured with narrow specifications to suit the high consistency requirements of lamination films. **Availability:** Africa & Middle East and Europe **Additive:** Antiblock: 1500 ppm Slip: 550 ppm **Thermal Stabilizer:** Yes **Applications:** Blend Partner Co-Extrusion Films Collation Shrink Form Fill and Seal Packaging Freezer Film Higher Quality Lamination Lamination Film Medium Duty Shrink Film Shoppers Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LDPE-LD-156HE-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-156HE-Low-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in <sup>3</sup>	ExxonMobil method
Melt Flow	0.75 g/10 min @Load 2.16 kg, Temperature 190 °C	0.75 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	1500 ppm	1500 ppm	
Slip Level	550 ppm	550 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	420 %	420 %	ASTM D882
Film Elongation at Break, TD	560 %	560 %	ASTM D882
Elmendorf Tear Strength MD	280 g	280 g	ASTM D1922
Elmendorf Tear Strength TD	200 g	200 g	ASTM D1922
Dart Drop Test	120 g	0.265 lb	ASTM D1709A
Film Tensile Strength at Break, MD	30.3 MPa	4400 psi	ASTM D882
Film Tensile Strength at Break, TD	24.8 MPa	3600 psi	ASTM D882
1% Secant Modulus, MD	248 MPa	36000 psi	ASTM D882
1% Secant Modulus, TD	290 MPa	42000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 235 °C	<= 455 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D1003
Gloss	68 %	68 %	45°; ASTM D2457

## Contact Songhan Plastic Technology Co.,Ltd.

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