

ExxonMobil LDPE LD 160AT Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 160 series are LDPE grades, which offer good draw down and optical properties. **Availability:** Africa & Middle East, Asia Pacific, Latin America, North America and South America **Additive:** Antiblock: 1200 ppm Slip: 900 ppm **Thermal Stabilizer:**

YesApplications: Cast Film High Clarity Film Laundry Film Produce Bags Profile Extrusion Zipper Bag Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-160AT-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ExxonMobil method
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	1200 ppm	1200 ppm	
Slip Level	900 ppm	900 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	10.3 MPa	1500 psi	ASTM D882
Film Tensile Strength at Yield, TD	10.3 MPa	1500 psi	ASTM D882
Film Elongation at Break, MD	220 %	220 %	ASTM D882
Film Elongation at Break, TD	450 %	450 %	ASTM D882
Elmendorf Tear Strength MD	170 g	170 g	ASTM D1922
Elmendorf Tear Strength TD	130 g	130 g	ASTM D1922
Dart Drop Test	70.0 g	0.154 lb	ASTM D1709A
Film Tensile Strength at Break, MD	19.3 MPa	2800 psi	ASTM D882
Film Tensile Strength at Break, TD	15.2 MPa	2200 psi	ASTM D882
1% Secant Modulus, MD	179 MPa	26000 psi	ASTM D882
1% Secant Modulus, TD	207 MPa	30000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 226 °C	<= 439 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	5.4 %	5.4 %	ASTM D1003
Gloss	70 %	70 %	45°; ASTM D2457

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