

ExxonMobil LDPE LD 363BR Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 363 series are LEVA LDPE grades, offering good optical and mechanical properties. Two additive combinations are available according to the required surface properties. **Availability:** Africa & Middle East and Europe **Additive:** Antiblock: 1000 ppm Slip: 750 ppm **Thermal Stabilizer:** Yes **Applications:** Cast Film Co-Extrusion Films Foams High Clarity Film Lamination Film **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-363BR-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.928 g/cc	0.0335 lb/in ³	ExxonMobil method
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 190 °C	3.0 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 Elongation at Break, MD	360 %	360 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Elmendorf Tear Strength MD	120 g	120 g	ASTM D1922
Elmendorf Tear Strength TD	90 g	90 g	ASTM D1922
Dart Drop Test	140 g	0.309 lb	ASTM D1709A
Film Tensile Strength at Break, MD	30.3 MPa	4400 psi	ASTM D882
Film Tensile Strength at Break, TD	24.1 MPa	3500 psi	ASTM D882
1% Secant Modulus, MD	159 MPa	23000 psi	ASTM D882
1% Secant Modulus, TD	179 MPa	26000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 217 °C	<= 423 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
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Optical Properties	Metric	English	Comments ¹³
Gloss	75 %	75 %	45°; ASTM D2457

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