

ExxonMobil LDPE LD 185GE Low Density Polyethylene Resin (European Grade)

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

Material Notes:

Product Description: LD 185 series offer good optical properties and sealing characteristics. LD 185 is manufactured with narrow specifications to suit the high consistency requirements of lamination films. **Availability:** Africa & Middle East and Europe **Additive:**

Antiblock: 1000 ppm **Slip:** 572 ppm **Thermal Stabilizer:** Yes **Applications:** Co-Extrusion Films Display Packaging Film Food packaging Form Fill and Seal Packaging High Quality Lamination Lamination Film Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-185GE-Low-Density-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ExxonMobil method
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	1000 ppm	1000 ppm	
Slip Level	572 ppm	572 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	370 %	370 %	ASTM D882
Film Elongation at Break, TD	550 %	550 %	ASTM D882
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength TD	110 g	110 g	ASTM D1922
Dart Drop Test	80.0 g	0.176 lb	ASTM D1709A
Film Tensile Strength at Break, MD	29.0 MPa	4200 psi	ASTM D882
Film Tensile Strength at Break, TD	22.8 MPa	3300 psi	ASTM D882
1% Secant Modulus, MD	207 MPa	30000 psi	ASTM D882
1% Secant Modulus, TD	241 MPa	35000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
	<= 230 °C	<= 446 °F	Peak Melting Point; ExxonMobil

<small>Melting Point</small> Thermal Properties	Metric	English	<small>method</small> Comments
Optical Properties	Metric	English	Comments
Haze	6.3 %	6.3 %	ASTM D1003
Gloss	65 %	65 %	45°; ASTM D2457

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