

ExxonMobil LDPE LD 158JD Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 158 series are LDPE grades, specially designed for lamination 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 158 is manufactured with narrow specifications to suit the high consistency requirements of lamination films. **Availability:** Africa & Middle East and Europe **Additive:** Antiblock: 1800 ppm Slip: 330 ppm **Thermal Stabilizer:** Yes **Applications:** Bread Bags Co-extrusion Films Display Packaging Film Food packaging Form Fill and Seal Packaging High Clarity Film High Quality Lamination Lamination Film Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-158JD-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 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	1800 ppm	1800 ppm	
Slip Level	330 ppm	330 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	200 %	200 %	ASTM D882
Film Elongation at Break, TD	500 %	500 %	ASTM D882
Elmendorf Tear Strength MD	200 g	200 g	ASTM D1922
Elmendorf Tear Strength TD	120 g	120 g	ASTM D1922
Dart Drop Test	80.0 g	0.176 lb	ASTM D1709A
Film Tensile Strength at Break, MD	22.8 MPa	3300 psi	ASTM D882
Film Tensile Strength at Break, TD	20.7 MPa	3000 psi	ASTM D882
1% Secant Modulus, MD	241 MPa	35000 psi	ASTM D882
1% Secant Modulus, TD	283 MPa	41000 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	5.0 %	5.0 %	ASTM D1003
Gloss	69 %	69 %	45°; ASTM D2457

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