

ExxonMobil LDPE LD 157CW Blown Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 157CW offer good mechanical properties as well as excellent opticals. Availability: Africa & Middle East and Europe

Additive: Antiblock: NoSlip: NoThermal Stabilizer: Yes Applications: Co-Extrusion Films Label Film Lamination Film Medium Duty Shrink

Film Overwrap Film Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-157CW-Blown-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in ³	ExxonMobil method
Melt Flow	0.60 g/10 min @Load 2.16 kg, Temperature 190 °C	0.60 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, TD	15.9 MPa	2300 psi	ASTM D882
Film Elongation at Break, MD	450 %	450 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Elmendorf Tear Strength MD	200 g	200 g	ASTM D1922
Elmendorf Tear Strength TD	230 g	230 g	ASTM D1922
Dart Drop Test	110 g	0.243 lb	ASTM D1709A
Film Tensile Strength at Break, MD	28.3 MPa	4100 psi	ASTM D882
Film Tensile Strength at Break, TD	24.1 MPa	3500 psi	ASTM D882
1% Secant Modulus, MD	352 MPa	51000 psi	ASTM D882
1% Secant Modulus, TD	379 MPa	55000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 239 °C	<= 462 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003
Gloss	65 %	65 %	45°; ASTM D2457

Optical Properties

Metric

English

Comments

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