

ExxonMobil LDPE LD 171BA Low Density Polyethylene Resin (European Grade)

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

Material Notes:

Product Description: LD 171BA is an LDPE grade, which offers good film rigidity combined with very good optical properties. Availability:

Europe Additive: Antiblock: NoSlip: NoThermal Stabilizer: NoApplications: Blend PartnerCo-Extrusion FilmsLamination FilmMedium Duty

Shrink FilmInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-171BA-Low-Density-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.929 g/cc	0.0336 lb/in ³	ExxonMobil method
Melt Flow	0.55 g/10 min @Load 2.16 kg, Temperature 190 °C	0.55 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	13.1 MPa	1900 psi	ASTM D882
Film Tensile Strength at Yield, TD	13.1 MPa	1900 psi	ASTM D882
Film Elongation at Break, MD	460 %	460 %	ASTM D882
Film Elongation at Break, TD	610 %	610 %	ASTM D882
Elmendorf Tear Strength MD	200 g	200 g	ASTM D1922
Elmendorf Tear Strength TD	260 g	260 g	ASTM D1922
Dart Drop Test	120 g	0.265 lb	ASTM D1709A
Film Tensile Strength at Break, MD	31.0 MPa	4500 psi	ASTM D882
Film Tensile Strength at Break, TD	26.9 MPa	3900 psi	ASTM D882
1% Secant Modulus, MD	283 MPa	41000 psi	ASTM D882
1% Secant Modulus, TD	317 MPa	46000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 237 °C	<= 459 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	6.0 %	6.0 %	ASTM D1003

Optical Properties	Metric	English	Comments
			45, ASTM D2457

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