

ExxonMobil LD 123.LN General Purpose Clarity Film Resin

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

Product Description: LD 123.LN blown film grade offers an excellent balance of optical and strength properties for general purpose clear film applications.
Availability: Latin America, North America and South America
Additive: Antiblock: NoSlip: NoThermal Stabilizer:
YesApplications: Bread BagsCo-Extrusion FilmsCollation ShrinkDiaper BacksheetFoamsHigh Performance Collation ShrinkHygiene
Packaging:Label FilmLamination FilmOverwrap FilmPaper Overwrap
 Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-123LN-General-Purpose-Clarity-Film-Resin.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ExxonMobil Method
Thickness	38.1 microns	1.50 mil	
Melt Flow	2.4 g/10 min @Load 2.16 kg, Temperature 190 °C	2.4 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ASTM D882
Film Tensile Strength at Yield, TD	11.7 MPa	1700 psi	ASTM D882
Film Elongation at Break, MD	270 %	270 %	ASTM D882
Film Elongation at Break, TD	660 %	660 %	ASTM D882
Puncture Energy	2.03 J	1.50 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	480 g	480 g	ASTM D1922
Elmendorf Tear Strength TD	120 g	120 g	ASTM D1922
Dart Drop Test	100 g	0.221 lb	ASTM D1709
Film Tensile Strength at Break, MD	28.6 MPa	4150 psi	ASTM D882
Film Tensile Strength at Break, TD	24.0 MPa	3480 psi	ASTM D882
1% Secant Modulus, MD	220 MPa	31900 psi	ASTM D882
1% Secant Modulus, TD	269 MPa	39000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
	112 °C	233 °F	Peak Melting Temperature;

Melting Point Thermal Properties	Metric	English	ExxonMobil Method Comments
Optical Properties	Metric	English	Comments
Haze	5.3 %	5.3 %	ASTM D1003
Gloss	72 %	72 %	45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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