

ExxonMobil LDPE LD 124.MS Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 124.MS blown film resin 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: 2000 ppmSlip: 400 ppm**Thermal Stabilizer:** Yes**Applications:** Blend PartnerFood PackagingForm Fill and Seal PackagingHigh Clarity FilmLamination FilmLight Duty Shrink FilmMail BagProduce BagsTextile Packaging Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-124MS-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in³	ExxonMobil method
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 190 °C	2.1 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	12.4 MPa	1800 psi	ASTM D882
Film Elongation at Break, MD	130 %	130 %	ASTM D882
Film Elongation at Break, TD	540 %	540 %	ASTM D882
Puncture Energy	0.362 J	0.267 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	580 g	580 g	ASTM D1922
Elmendorf Tear Strength TD	110 g	110 g	ASTM D1922
Dart Drop Test	90.0 g	0.198 lb	ASTM D1709A
Film Tensile Strength at Break, MD	26.9 MPa	3900 psi	ASTM D882
Film Tensile Strength at Break, TD	18.6 MPa	2700 psi	ASTM D882
1% Secant Modulus, MD	234 MPa	34000 psi	ASTM D882
1% Secant Modulus, TD	296 MPa	43000 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	7.3 %	7.3 %	ASTM D1003
Gloss	65 %	65 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	7 lbf	ExxonMobil Method

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