

ExxonMobil LDPE LD 129.24 Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 129.24 is a medium density homopolymer film resin with good clarity and excellent stiffness. Film made from LD 129.24 can be used in overwrap applications and in push-through type packaging equipment. LD 129.24 is suitable for processing in either blown or cast film equipment. **Availability:** Latin America, North America and South America **Additive:** Antiblock: 1000 ppm **Slip:** No **Thermal Stabilizer:** Yes **Applications:** Bread Bags Cast Film Co-Extrusion Films Diaper Backsheet Embossed Film Hygiene Packaging Label Film Overwrap Film Paper Overwrap

Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-12924-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.929 g/cc	0.0336 lb/in ³	ExxonMobil method
Melt Flow	2.3 g/10 min	2.3 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
Antiblock Level	2000 ppm	2000 ppm	
Slip Level	400 ppm	400 ppm	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	14.5 MPa	2100 psi	ASTM D882
Film Tensile Strength at Yield, TD	15.9 MPa	2300 psi	ASTM D882
Film Elongation at Break, MD	180 %	180 %	ASTM D882
Film Elongation at Break, TD	460 %	460 %	ASTM D882
Puncture Energy	0.316 J	0.233 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	100 g	100 g	ASTM D1922
Elmendorf Tear Strength TD	270 g	270 g	ASTM D1922
Dart Drop Test	70.0 g	0.154 lb	ASTM D1709A
Film Tensile Strength at Break, MD	23.4 MPa	3400 psi	ASTM D882
Film Tensile Strength at Break, TD	17.2 MPa	2500 psi	ASTM D882
1% Secant Modulus, MD	324 MPa	47000 psi	ASTM D882
1% Secant Modulus, TD	386 MPa	56000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 242 °C	<= 468 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	8.1 %	8.1 %	ASTM D1003
Gloss	68 %	68 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	7 lbf	ExxonMobil Method

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