

ExxonMobil LDPE LD 302.32 Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 302 resins are 3.5% vinyl acetate copolymer, high film resins. The combination of comonomer content and low melt index helps produce films which exhibit superior impact strength, good heat sealability and good low temperature properties. **Availability:** Latin America, North America and South America **Additive:** Antiblock: 2500 ppm Slip: 500 ppm **Thermal Stabilizer:** Yes **Applications:** Coextrusion Films Foams Form Fill and Seal Packaging Freezer Film Lamination Film Poultry Bag Produce Bags **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-30232-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ExxonMobil method
Vinyl Acetate Content	3.5 %	3.5 %	ExxonMobil Method
Melt Flow	1.3 g/10 min @Load 2.16 kg, Temperature 190 °C	1.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Antiblock Level	2500 ppm	2500 ppm	
Slip Level	500 ppm	500 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	190 %	190 %	ASTM D882
Film Elongation at Break, TD	580 %	580 %	ASTM D882
Puncture Energy	1.01 J	0.742 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	190 g	190 g	ASTM D1922
Elmendorf Tear Strength TD	110 g	110 g	ASTM D1922
Dart Drop Test	170 g	0.375 lb	ASTM D1709A
Film Tensile Strength at Break, MD	24.1 MPa	3500 psi	ASTM D882
Film Tensile Strength at Break, TD	23.4 MPa	3400 psi	ASTM D882
1% Secant Modulus, MD	145 MPa	21000 psi	ASTM D882
1% Secant Modulus, TD	172 MPa	25000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
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Thermal Properties	Metric	English	Comments
Melting Point	191.1 °C	376.0 °F	191.1 °C; ExxonMobil Method

Optical Properties	Metric	English	Comments
Haze	6.5 %	6.5 %	ASTM D1003
Gloss	69 %	69 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	9 lbf	ExxonMobil Method

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