

ExxonMobil LDPE LD 317.09 Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 317.09 resin is a fractional melt index, 6% vinyl acetate copolymer film resin. Film made from LD 317.09 offers excellent impact strength, tensile properties and heat sealability. **Availability:** Latin America, North America and South America **Additive:** Antiblock: NoSlip: No Thermal Stabilizer: Yes **Applications:** Agriculture FilmBatch Inclusion BagsCoextrusion FilmsConstruction FilmForm Fill and Seal PackagingFreezer FilmHeavy Duty BagsIce BagsPoultry BagProduce BagsInformation provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-31709-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in ³	ExxonMobil method
Vinyl Acetate Content	6.0 %	6.0 %	ExxonMobil Method
Melt Flow	0.30 g/10 min @Load 2.16 kg, Temperature 190 °C	0.30 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	300 %	300 %	ASTM D882
Film Elongation at Break, TD	620 %	620 %	ASTM D882
Elmendorf Tear Strength MD	130 g	130 g	ASTM D1922
Elmendorf Tear Strength TD	100 g	100 g	ASTM D1922
Dart Drop Test	490 g	1.08 lb	ASTM D1709A
Film Tensile Strength at Break, MD	32.4 MPa	4700 psi	ASTM D882
Film Tensile Strength at Break, TD	31.7 MPa	4600 psi	ASTM D882
1% Secant Modulus, MD	124 MPa	18000 psi	ASTM D882
1% Secant Modulus, TD	145 MPa	21000 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Melting Point	<= 216 °C	<= 421 °F	Peak Melting Point; ExxonMobil method

Optical Properties	Metric	English	Comments
Haze	6.1 %	6.1 %	ASTM D1003

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