ExxonMobil LDPE LD 331.08 Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 331.08 is a 5.9% vinyl acetate copolymer, higher clarity film resin. Film made from this resin exhibits superior impact strength and heat sealability.Availability: Latin America, North America and South America Additive: Antiblock: NoSlip: No Thermal Stabilizer: YesApplications: Coextrusion FilmsFoamsForm Fill and Seal PackagingFreezer FilmHigh Clarity FilmLamination FilmPoultry BagProduce BagsRice BagsInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-33108-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 lb/in³	ExxonMobil method
Vinyl Acetate Content	2.9 %	2.9 %	ExxonMobil Method
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, TD	6.83 MPa	990 psi	ASTM D882
Film Elongation at Break, MD	360 %	360 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Puncture Energy	3.16 J	2.33 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	140 g	140 g	ASTM D1922
Elmendorf Tear Strength TD	100 g	100 g	ASTM D1922
Dart Drop Test	170 g	0.375 lb	ASTM D1709A
Film Tensile Strength at Break, MD	6.89 MPa	1000 psi	ASTM D882
Film Tensile Strength at Break, TD	25.5 MPa	3700 psi	ASTM D882
1% Secant Modulus, MD	110 MPa	16000 psi	ASTM D882
1% Secant Modulus, TD	124 MPa	18000 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	2.5 %	2.5 %	ASTM D1003
Gloss	84 %	84 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	14 lbf	ExxonMobil Method

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