ExxonMobil LDPE LD 306.57 Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 306 resins are 5.5% vinyl acetate copolymer, high clarity film resins. Film made from these resins exhibit superior impact strength and heat sealability.Availability: Latin America, North America and South America Additive: Antiblock: 4000 ppmSlip: 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-30657-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in³	ExxonMobil method
Vinyl Acetate Content	5.5 %	5.5 %	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
Antiblock Level	4000 ppm	4000 ppm	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	190 %	190 %	ASTM D882
Film Elongation at Break, TD	590 %	590 %	ASTM D882
Puncture Energy	1.36 J	1.00 ft-lb	ExxonMobil Method
Elmendorf Tear Strength MD	160 g	160 g	ASTM D1922
Elmendorf Tear Strength TD	80 g	80 g	ASTM D1922
Dart Drop Test	170 g	0.375 lb	ASTM D1709A
Film Tensile Strength at Break, MD	248 MPa	36000 psi	ASTM D882
Film Tensile Strength at Break, TD	24.1 MPa	3500 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	4.0 %	4.0 %	ASTM D1003
Gloss	74 %	74 %	45°; ASTM D2457

Descriptive Properties	Value	Comments
Puncture Force	11 lbf	ExxonMobil Method

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