ExxonMobil LDPE LD 302.32 Low Density Polyethylene Resin (European Grade)

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

Material Notes:

Product Description: LD 302 resins are 3.5% vinyl acetate copolymer, high clarity 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: Africa & Middle East, Asia Pacific and Europe Additive: Antiblock: 2500 ppmSlip: 500 ppm Thermal Stabilizer: YesInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-30232-Low-Density-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in³	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
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
Melting Point	<= 221 °C	<= 430 °F	Peak Melting Point; ExxonMobil method

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

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