

ExxonMobil LDPE LD 101BA Wire & Cable Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 101BA Wire & Cable is anon-stabilized LDPE, designed for the production of Medium/High Voltage insulation using the direct peroxide addition. For cleanliness reasons, the material is specially controlled through on-line optical control systems. Sufficient antioxidant should be meet specific ageing requirements.**Availability:** Africa & Middle East and Europe **Additive:** Antiblock: NoSlip: NoThermal Stabilizer: NoApplications: MV/HV peroxide cross-linked insulation Information provided by ExxonMobil

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-101BA-Wire-Cable-Low-Density-Polyethylene-Resin.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	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
Hardness, Shore D	49 @Time 15.0 sec	49 @Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	11.7 MPa	1700 psi	ASTM D638
Tensile Strength, Yield	11.7 MPa	1700 psi	ASTM D638
Elongation at Break	620 %	620 %	ASTM D638
Elongation at Yield	20 %	20 %	ASTM D638
Flexural Modulus, 1% Secant	214 MPa	31000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	<= 230 °C	<= 446 °F	Peak Melting Point; ExxonMobil method

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+15 ohm-cm	6.00e+15 ohm-cm	ASTM D257
Dielectric Constant	2.2	2.2	ASTM D150
Dielectric Strength	55.1 kV/mm	1400 kV/in	ASTM D149
Dissipation Factor	0.0010	0.0010	ASTM D150

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