

ExxonMobil LDPE LD 150BW Wire & Cable Low Density Polyethylene Resin

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

Material Notes:

Product Description: LD 150BW is a LDPE containing suitable for the production of LV and MV crosslinked insulation using the 1-step or 2-step silane technology. Through in-house compounding it can also be used in Medium Voltage peroxide cross-linkable insulation.

Sufficient antioxidant and Cu-inhibitor should be added to meet specific ageing requirements. Availability: Africa & Middle East, Asia

Pacific and Europe Additive: Antiblock: NoSlip: NoThermal Stabilizer: Yes Applications: LV Silane cross-linkable insulation – 1 step process 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-150BW-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	0.75 g/10 min	0.75 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
	@Time 15.0 sec	@Time 0.00417 hour	
Tensile Strength at Break	13.8 MPa	2000 psi	ASTM D638
Tensile Strength, Yield	11.7 MPa	1700 psi	ASTM D638
Elongation at Break	580 %	580 %	ASTM D638
Elongation at Yield	20 %	20 %	ASTM D638
Flexural Modulus, 1% Secant	221 MPa	32000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	<= 228 °C	<= 442 °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	2.1	2.1	ASTM D150
Dielectric Strength	51.2 kV/mm	1300 kV/in	ASTM D149

Designation Factor	0.00010	0.00010	ASTM D150
Electrical Properties	Metric	English	Comments

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