

ExxonMobil LD 419.MV Wire & Cable Resin (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Wire/Cable Grade

Material Notes:

LD 419.MV is a LDPE designed for wire and cable applications and is suitable for making crosslinkable compounds for medium voltage insulation. Information provided by ExxonMobil Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LD-419MV-Wire-Cable-Resin-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ExxonMobil Method
Melt Flow	2.25 g/10 min	2.25 g/10 min	ExxonMobil Method

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	15s; ASTM D2240
Hardness, Shore D	44	44	15s; ASTM D2240
Tensile Strength at Break	10.3 MPa	1500 psi	ASTM D638
Tensile Strength, Yield	11.6 MPa	1680 psi	ASTM D638
Elongation at Break	625 %	625 %	ASTM D638
Elongation at Yield	14 %	14 %	ASTM D638
1% Secant Modulus	243 MPa	35200 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	109 °C	228 °F	Peak Melting Temperature; ExxonMobil Method
Vicat Softening Point	93.9 °C	201 °F	ASTM D1525

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.61e+15 ohm-cm	7.61e+15 ohm-cm	ASTM D257
Dielectric Constant	2.17	2.17	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	
Dielectric Strength	49.6 kV/mm	1260 kV/in	ASTM D149
Dissipation Factor	0.000010	0.000010	ASTM D150
	@Frequency 60 Hz	@Frequency 60 Hz	

Descriptive Properties	Value	Comments
Features	Thermal Stabilizer	

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