

ExxonMobil® LD 419.MV

Product Description: LD 419.MV is a LDPE designed for wire and cable applications and is suitable for making crosslinkable compounds for medium voltage insulation.
Availability: Latin America, North America and South America

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ExxonMobil method

Melt Flow	2.3 g/10 min @Load 2.16 kg, Temperature 190 °C	2.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90 @Time 15.0 sec	90 @Time 0.00417 hour	ASTM D2240

Hardness, Shore D	44 @Time 15.0 sec	44 @Time 0.00417 hour	ASTM D2240
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Tensile Strength at Break	10.3 MPa	1500 psi	ASTM D638
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Tensile Strength, Yield	11.7 MPa	1700 psi	ASTM D638
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Elongation at Break	630 %	630 %	ASTM D638
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Elongation at Yield	10 %	10 %	ASTM D638
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Flexural Modulus, 1% Secant	241 MPa	35000 psi	ASTM D790
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Electrical Properties	Metric	English	Comments
Volume Resistivity	7.60e+15 ohm-cm	7.60e+15 ohm-cm	ASTM D257

Dielectric Constant	2.3	2.3	ASTM D150
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Dielectric Strength	51.2 kV/mm	1300 kV/in	ASTM D149
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Dissipation Factor	0.000080	0.000080	ASTM D150
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Thermal Properties	Metric	English	Comments
Melting Point	<= 109 °C	<= 228 °F	Peak Melting Point; ExxonMobil method