

## ExxonMobil LDPE LD 419.MV Low Density Polyethylene Resin

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

### Material Notes:

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 Applications: Crosslinkable Compounds Wire and Cable Compounds Information provided by ExxonMobil

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LDPE-LD-419MV-Low-Density-Polyethylene-Resin.php](http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-419MV-Low-Density-Polyethylene-Resin.php)

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in <sup>3</sup>	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

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
Tensile Strength at Break	10.3 MPa	1500 psi	ASTM D638
Tensile Strength, Yield	11.7 MPa	1700 psi	ASTM D638
Elongation at Break	630 %	630 %	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus, 1% Secant	241 MPa	35000 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	7.60e+15 ohm-cm	7.60e+15 ohm-cm	ASTM D257
Dielectric Constant	2.3	2.3	ASTM D150
Dielectric Strength	51.2 kV/mm	1300 kV/in	ASTM D149

Dielectric Factor  
Electrical Properties

0.00080  
Metric

0.00080  
English

ASTM D150  
Comments

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China