

ExxonMobil™ LDPE LD 419.MV

Low Density Polyethylene Resin

ExxonMobil Chemical

Message:

ExxonMobil LD 419.MV is a low density polyethylene developed for wire and cable applications and is suitable for manufacturing cross-linked compounds for medium voltage insulation.

General Information			
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 15 seconds	90		ASTM D2240
Shaw D, 15 seconds	44		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	11.6	MPa	ASTM D638
Fracture	10.3	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	14	%	ASTM D638
Fracture	630	%	ASTM D638
Flexural Modulus - 1% Secant	243	MPa	ASTM D790
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	7.6E+15	ohms·cm	ASTM D257
Dielectric Strength	50	kV/mm	ASTM D149
Dielectric Constant	2.29		ASTM D150
Dissipation Factor	7.5E-5		ASTM D150

Legal statement

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