

## ExxonMobil LDPE LD 380BA Wire & Cable Low Density Polyethylene Resin (European Grade)

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

### Material Notes:

**Product Description:** LD 380BA is a non-stabilized LDPE, designed for the production of Low Voltage power cable insulation using the two-step silane cross-linking technology. Sufficient antioxidant and Cu-inhibitor should be added to meet specific ageing requirements. **Availability:** Africa & Middle East and Europe **Additive:** Antiblock: NoSlip: No Thermal Stabilizer: NoApplications: LV silane cross-linking insulation – 2 step process **Information provided by ExxonMobil**

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_ExxonMobil-LDPE-LD-380BA-Wire-Cable-Low-Density-Polyethylene-Resin-European-Grade.php](http://www.lookpolymers.com/polymer_ExxonMobil-LDPE-LD-380BA-Wire-Cable-Low-Density-Polyethylene-Resin-European-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.931 g/cc	0.0336 lb/in <sup>3</sup>	ExxonMobil method
Melt Flow	1.9 g/10 min @Load 2.16 kg, Temperature 190 °C	1.9 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	55	55	ASTM D2240
Tensile Strength at Break	11.7 MPa	1700 psi	ASTM D638
Tensile Strength, Yield	15.2 MPa	2200 psi	ASTM D638
Elongation at Break	510 %	510 %	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus, 1% Secant	379 MPa	55000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	<= 241 °C	<= 466 °F	Peak Melting Point; ExxonMobil method

Electrical Properties	Metric	English	Comments
Volume Resistivity	5.00e+15 ohm-cm	5.00e+15 ohm-cm	ASTM D257
Dielectric Constant	2.2 @Frequency 60.0 Hz	2.2 @Frequency 60.0 Hz	STM D150
Dielectric Strength	63.0 kV/mm	1600 kV/in	50 V/sec; ASTM D149

Electrical Properties	0.0010 Metric	0.0010 English	Comments
	@Frequency 60.0 Hz	@Frequency 60.0 Hz	

## Contact Songhan Plastic Technology Co.,Ltd.

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