

ExxonMobil LLDPE LL 1001XV Wire & Cable Linear Low Density Polyethylene Resin (European Grade)

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

Material Notes:

Product Description: LL 1001 XV is a C4 Ziegler Natta LLDPE for power cable and Telecom jacketing. The grade contains a low level of antioxidants and has excellent Environmental Stress Crack Resistance (ESCR). Sufficient Carbon Black or UV Stabilizer should be added to meet cable jacketing specifications **Availability:** Africa & Middle East, Asia Pacific and Europe **Additive:** Stabilizer: Yes **Applications:** Halogen-free flame retardant (HFFR) compounds LV thermoplastic jacketing MV/HV thermoplastic jacketing Telecom thermoplastic jacketing **Information provided by ExxonMobil**

Order this product through the following link:

http://www.lookpolymers.com/polymer_ExxonMobil-LLDPE-LL-1001XV-Wire-Cable-Linear-Low-Density-Polyethylene-Resin-European-Grade.php

Physical Properties	Metric	English	Comments
Density	0.981 g/cc	0.0354 lb/in ³	ExxonMobil method
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	49 @Time 15.0 sec	49 @Time 0.00417 hour	ASTM D2240
Tensile Strength at Break	19.3 MPa	2800 psi	ASTM D638
Tensile Strength, Yield	11.7 MPa	1700 psi	ASTM D638
Elongation at Break	830 %	830 %	ASTM D638
Elongation at Yield	20 %	20 %	ASTM D638
Flexural Modulus, 1% Secant	255 MPa	37000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Melting Point	<= 248 °C	<= 478 °F	Peak Melting Point; ExxonMobil method

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.00e+15 ohm-cm	7.00e+15 ohm-cm	ASTM D257
Dielectric Constant	2.2	2.2	ASTM D150

Dielectric Strength Electrical Properties	51.2 kV/mm Metric	1300 kV/in English	ASTM D149 Comments
Dissipation Factor	0.00050	0.00050	ASMT D150

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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