

## LG Chemical LUTENE XL8080TR PE Compound

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

Description: LUTENE XL8080TR has excellent electrical properties for medium and high voltage power cable insulation and especially it shows improved water tree resistance and has thermal aging property. Applications: Medium and high voltage power cable insulation.

(Water Tree Retardant Power Cable Insulation)CAS No: 9002-88-4 Information provided by LG Chemical

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-LUTENE-XL8080TR-PE-Compound.php](http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-XL8080TR-PE-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.921 g/cc	0.921 g/cc	ISO 1183-D
Degree of Crosslinking	>= 80 %	>= 80 %	ASTM D2765A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	>= 17.65 MPa	>= 2560 psi	ISO 527
	>= 16.76 MPa	>= 2431 psi	IEC 60811-1-2
	@Temperature 135 Å°C, Time 605000 sec	@Temperature 275 Å°F, Time 168 hour	
Elongation at Break	500 %	500 %	ISO 527
	475 %	475 %	IEC 60811-1-2
	@Temperature 135 Å°C, Time 605000 sec	@Temperature 275 Å°F, Time 168 hour	

Thermal Properties	Metric	English	Comments
Melting Point	125 - 135 Å°C	257 - 275 Å°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	IEC 60093
	@Temperature 23.0 Å°C	@Temperature 73.4 Å°F	
Dielectric Constant	2.25	2.25	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	>= 22.0 kV/mm	>= 559 kV/in	IEC 60243
Dissipation Factor	0.00060	0.00060	IEC 60250

Electrical Properties	@Frequency 1.00e+6 Metric Hz	@Frequency 1.00e+6 English Hz	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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