

LG Chemical LUTENE XL8080NT PE Compound

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Description: LUTENE XL8080NT is a standard version having excellent electrical properties for medium and high voltage power cable insulation and has a very low level of contamination. Applications: Medium and high voltage 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-XL8080NT-PE-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.922 g/cc	0.922 g/cc	ISO 1183-D
Degree of Crosslinking	>= 60 %	>= 60 %	ASTM D2765A

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	19.7 MPa	2860 psi	ISO 527
	18.715 MPa	2714.4 psi	IEC 60811-1-2
	@Temperature 136 Â°C, Time 605000 sec	@Temperature 277 Â°F, Time 168 hour	
Elongation at Break	550 %	550 %	ISO 527
	522.5 %	522.5 %	IEC 60811-1-2
	@Temperature 136 Â°C, Time 605000 sec	@Temperature 277 Â°F, Time 168 hour	

Thermal Properties	Metric	English	Comments
Melting Point	120 - 130 Â°C	248 - 266 Â°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+16 ohm-cm	1.00e+16 ohm-cm	IEC 60093
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Dielectric Constant	2.3	2.3	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	0.00040	0.00040	IEC 60250

Electrical Properties	@Frequency 1.00e+6 Metric	@Frequency 1.00e+6 English	Comments
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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