

## LG Chemical LUTENE XL2808BK PE Compound

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

Description: LUTENE XL2808BK has an excellent electrical properties and assists in obtaining a minimum shrink back on aluminum conductor, especially solid conductor. LUTENE XL2808BK is specifically developed to provide a super smooth surface yielding a more perfect interface between the extruded shield and the insulation. LUTENE XL2808BK has stable volume resistivity characteristics at elevated temperatures and is formulated with a polymer system that has demonstrated compatibility with copper conductor. Applications: Insulation shielding of medium and high voltage cable

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_LG-Chemical-LUTENE-XL2808BK-PE-Compound.php](http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-XL2808BK-PE-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	ASTM D1505

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	16.8 MPa	2440 psi	ASTM D638
	15.96 MPa	2315 psi	ASTM D638
	@Temperature 121 Â°C, Time 605000 sec	@Temperature 250 Â°F, Time 168 hour	
Elongation at Break	230 %	230 %	ASTM D638
	207 %	207 %	ASTM D638
	@Temperature 121 Â°C, Time 605000 sec	@Temperature 250 Â°F, Time 168 hour	

Thermal Properties	Metric	English	Comments
Melting Point	90.0 - 110 Â°C	194 - 230 Â°F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	300 ohm-cm	300 ohm-cm	ASTM D257
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
	800 ohm-cm	800 ohm-cm	ASTM D257
	@Temperature 90.0 Â°C	@Temperature 194 Â°F	
	900 ohm-cm	900 ohm-cm	ASTM D257
	@Temperature 135 Â°C	@Temperature 275 Â°F	

## Contact Songhan Plastic Technology Co.,Ltd.

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