

LG Chemical LUTENE XL2700BK PE Compound

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Description: LUTENE XL2700BK has excellent strippability, processability, weather resistance, heat resistance for medium and high voltage power cables. The advantage of LUTENE XL2700BK over conventional strippable insulation shield compounds include: 1) Consistent, clean adhesion level over -40 to 70°C temperature range. 2) Excellent extruded surface smoothness, with fewer and smaller surface protrusions over broad range of shear rates. Applications: Insulation shielding of medium and high voltage cable

Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-LUTENE-XL2700BK-PE-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	ASTM D1505
pH	6.0 - 7.0	6.0 - 7.0	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	14.8 MPa	2150 psi	ASTM D638
	14.06 MPa	2039 psi	ASTM D638
	@Temperature 121 Å°C, Time 605000 sec	@Temperature 250 Å°F, Time 168 hour	
Elongation at Break	250 %	250 %	ASTM D638
	225 %	225 %	ASTM D638
	@Temperature 121 Å°C, Time 605000 sec	@Temperature 250 Å°F, Time 168 hour	

Thermal Properties	Metric	English	Comments
Melting Point	110 - 130 Å°C	230 - 266 Å°F	
Brittleness Temperature	<= -50.0 Å°C	<= -58.0 Å°F	ASTM D746

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

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