



LUTENE[®] XL2710BK

Semi-conductive

Applications

- Easy strippable insulation shielding compound for medium voltage power cables with rated voltage up to 35kV

Description

- LUTENE[®] XL2710BK has excellent strippability, processability for medium voltage power cables (High viscosity version of XL2700BK).

Characteristics

- The advantage of LUTENE[®] XL2710BK 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.

Specification

- LUTENE[®] XL2710BK meets the property requirement of the following material specifications.
 - ① AEIC CS8
 - ② ICEA S-94-649
 - ③ IEC 60502
 - ④ BS 6622

Package

- Standard package : 600kg Carton Box
- Other package to customer's needs are also available.

Processing information

- LUTENE[®] XL2710BK requires melting temperatures of approximately 90 to 115 °C for best result.
- Specific machine settings will depend on the extruder design and must be established through conventional practices.
- We recommend not to use hopper dryer with LUTENE[®] XL2710BK to avoid fusion at hopper feed section. But when necessary, drying should be done at max. 40 °C with dehumidified air under agitation.

For additional sales, order and technical assistance

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Typical properties

Characteristics	Test Method	Test Condition	Unit	Value
Physical				
Density, Base Resin	ASTM D1505	23℃	g/cm ³	1.18
Tensile Strength	ASTM D638	200mm/min	Mpa	> 12.5
Elongation at Break	ASTM D638	200mm/min	%	> 250
Tensile Strength Retention after	ASTM D638	135℃, 168hrs	%	> 85
Elongation Retention after	ASTM D638	135℃, 168hrs	%	> 85
Low Temperature Brittleness	ASTM D746	-	℃	-25℃ no crack
Moisture Content	Karl Fischer	-	ppm	< 1,000
Electrical				
DC Volume Resistivity	ASTM D991	23℃	Ω·cm	<100
	ASTM D991	90℃	Ω·cm	<1,000
Other				
Stripping Force at Cable ¹⁾	ASTM D903	-	N/12.7mm Width	25~50

1) Stripping force at cable values are typical for dry cure at room temp. Values will vary with cable size, insulation type, type of cure, temp., speed of test, etc.

* Measured on compression molded specimen. Cure times were 15min at 180℃

** NOTE : Values given above should only be used as a guide and should not be considered as a firm specification or guarantee.

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