



LUTENE[®] XL2808BK TR

Semi-conductive

Applications

- Cross-linkable semi-conductive compound for conductor and bonded insulation shielding of medium voltage power cables with rated voltage up to 35kV

Description

- LUTENE[®] XL2808BK TR is specially designed cross-linkable semi-conductive compound for conductor shielding of medium voltage power cables.
- LUTENE[®] XL2808BK TR is compatible with both copper and aluminum conductors. LUTENE[®] XL2808BK TR was specifically developed to provide an excellent smoothness surface yielding a more perfect interface between extruded shield and the insulation. As a result, significantly improved cable performance can be expected.
- LUTENE[®] XL2808BK TR is recommended for use in conjunction with XL8080NTS (Cross-linked polyethylene compound) and XL8080TR (Tree-retardant cross-linked polyethylene compound)

Characteristics

- ① Excellent Surface Smoothness
- ② Excellent Electrical Properties
- ③ Excellent Physical and Thermal Properties
- ④ Long-run Extrusion without Scorch

Specification

- LUTENE[®] XL2808BK TR meets the property requirement of the following material specifications.
 - ① AEIC CS8
 - ② ICEA S-94-649, S-93-639 / NEMA WC74
 - ③ IEC 60502
 - ④ CENELEC HD620
 - ⑤ BS 6622

Package

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

For additional sales, order and technical assistance

Revised : 12/05/2016

Head office PO Division, LG Chem Ltd.
Yeouido P.O.Box 672, 21st floor LG Twin Tower,
Yeouido-daero 128, Yeongdeungpo-gu Seoul, Korea.
Tel. 82-2-3773-3932, 6613

PO. TS team PO.Tech Center
188, Munji-ro, Yuseong-gu,, Daejeon, 34122, Korea
Tel. 82-42-722-5055

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.



LUTENE[®] XL2808BK TR

Semi-conductive

Processing information

- LUTENE[®] XL2808BK TR provides excellent surface finish and outstanding output rates, when processing conditions are optimized for the actual processing equipment and cable dimension.
- For optimum results, use melt extrusion temperatures in the suggested range of 90 to 115°C.
- Dehumidified hopper drying at 40~60 °C for 4 hours before extrusion is recommended to remove moisture.

Typical properties

Characteristics	Test Method	Test Condition	Unit	Value
Physical				
Density, Base Resin	ASTM D1505	23 °C	g/cm ³	1.12
Tensile Strength	ASTM D638	200mm/min	Mpa	> 12.5
Elongation at Break	ASTM D638	200mm/min	%	> 200
Tensile Strength Retention after	ASTM D638	135 °C, 168hrs	%	> 85
Elongation Retention after	ASTM D638	135 °C, 168hrs	%	> 85
Low Temperature Brittleness	ASTM D746	-	°C	-25 °C no crack
Moisture Content	Karl Fischer	-	ppm	< 1,000
Electrical				
DC Volume Resistivity	ASTM D991	23 °C	Ω·cm	<100
	ASTM D991	90 °C	Ω·cm	<1,000

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

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

For additional sales, order and technical assistance

Revised : 12/05/2016

Head office PO Division, LG Chem Ltd.

Yeouido P.O.Box 672, 21st floor LG Twin Tower,
Yeouido-daero 128, Yeongdeungpo-gu Seoul, Korea.
Tel. 82-2-3773-3932,6613

PO. TS team PO.Tech Center

188, Munji-ro, Yuseong-gu,, Daejeon, 34122, Korea
Tel. 82-42-722-5055

The information contained herein, including, but not limited to, data, statements and typical values, are given in good faith. LG Chem makes no warranty or guarantee, expressed or implied, (i) that the result described herein will be obtained under end - use conditions, or (ii) as to the effectiveness or safety of any design incorporating LG Chem materials, products, recommendations or advice. Further, any information contained herein shall not be construed as a part of legally binding offer. Especially, the typical values should be regarded as reference values only and not as binding minimum values. Each user bear full responsibility for making its own determination as to the suitability of LG Chem's materials, products, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating LG Chem material or products will be safe and suitable for use under end - use conditions. The data contained herein can be changed without notice as a result of the quality improvement of the products.