

Lutene® XL2808BK TR

Polyethylene

LG Chem Ltd.

Message:

Applications:

Crosslinkable semiconductive conductor and bonded insulation shielding compound for medium voltage power cables with rated voltage up to 35kV.

Performance:

Excellent Surface Smoothness

Excellent Electrical Properties - Excellent Physical and Thermal Properties - Long-run Extrusion without Scorch - Excellent tree retardance

Description:

LUTENE® XL2808BK TR is specially designed crosslinkable semiconductive compound for conductor shielding of medium voltage power cables.

LUTENE® XL2808BK TR is compatible with both copper and aluminum conductors. LUTENE® XL2808BK TR 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 has excellent tree retardant property.

General Information			
Features	Crosslinkable		
	Good Electrical Properties		
	Good Surface Finish		
	Semi Conductive		
Uses	Insulation Shield		
	Medium Voltage Insulation		
Agency Ratings	AEIC CS8-00		
	CENELEC HD 605 S2:2008		
	CENELEC HD 620 S2:2010		
	ICEA S-93-639		
	ICEA S-94-649		
	IEC 60502		
Physical	Nominal Value	Unit	Test Method
Density	1.12	g/cm ³	ASTM D1505
Moisture Content	< 500	ppm	Karl Fisher
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	17.7	MPa	ASTM D638
Tensile Elongation ² (Break)	200	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Retention of Tensile Elongation ³	> 90	ppm	ASTM D638
Retention of Tensile Strength ⁴	> 90	%	ASTM D638
Heat Deformation ⁵	< 18	%	JIS C3005
Ionic Content - Metal	< 300	%	Internal Method
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature	< -50.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			ASTM D991
23°C	< 50	ohms·cm	
90°C	< 5.0E+2	ohms·cm	
135°C	< 1.0E+3	ohms·cm	
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 to 70.0	°C	
Drying Time	4.0	hr	
Melt Temperature	100 to 125	°C	
NOTE			
1.	200 mm/min		
2.	200 mm/min		
3.	135°C, 168 Hr		
4.	135°C, 168 Hr		
5.	121?×2kg		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

