

Lutene® XL2700BK

Polyethylene

LG Chem Ltd.

Message:

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? temperature range.
2. Excellent extruded surface smoothness, with fewer and smaller surface protrusions over broad range of shear rates.

Applications

sulation shielding of medium and high voltage cable

General Information			
Features	Good Weather Resistance		
	High Heat Resistance		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Agency Ratings	AIEC CS5-87		
	ICEA S-66-524		
	IEC 60502		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density ¹	1.18	g/cm ³	ASTM D1505
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.7	MPa	ASTM D638
Tensile Elongation (Break)	250	%	ASTM D638
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (121°C, 168 hr)	5.0	%	ASTM D471
Change in Ultimate Elongation (121°C, 168 hr)	10	%	ASTM D471
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -50.0	°C	ASTM D746
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity			ASTM D257
23°C	3.0E+2	ohms · cm	
90°C	8.0E+2	ohms · cm	
Additional Information	Nominal Value	Unit	Test Method
Stripping Force ²	4.00 to 5.00	kg/12.7 mm	ASTM D9303
Extrusion	Nominal Value	Unit	

Melt Temperature	110 to 130	°C
NOTE		
1.	23°C	
2.	180 angle, 500mm/min	

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