

# Lutene® XL8080NT

Polyethylene

LG Chem Ltd.

## Message:

### Description

LUTENE XL8080NT is a standard version having excellent electrical properties for medium and high voltage power cable insulation and has a very low level of contamination.

### Applications

Medium and high voltage power cable insulation.

General Information			
Features	Good Surface Finish		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Agency Ratings	AIEC CS5-94		
	ICEA S-66-524		
	IEC 60502		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.922	g/cm <sup>3</sup>	ISO 1183/D
Degree of Crosslinking	> 80	%	ASTM D2765A
Heat Set Deformation <sup>1</sup> (200°C)	0.0	%	IEC 60811-2-1
Heat Set Elongation <sup>2</sup> (200°C)	80	%	IEC 60811-2-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 25°C)	19.6	MPa	ISO 527-2
Tensile Strain (Yield, 25°C)	550	%	ISO 527-2
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength (135°C, 168 hr)	< 5.0	%	IEC 60811-1-2
Change in Ultimate Elongation (135°C, 168 hr)	< 5.0	%	IEC 60811-1-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity <sup>3</sup>	1.0E+16	ohms · cm	IEC 60093
Electric Strength	> 22	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	2.30		IEC 60250
Dissipation Factor (1 MHz)	4.0E-4		IEC 60250
Extrusion	Nominal Value	Unit	
Melt Temperature	120 to 130	°C	
NOTE			
1.	20N/cm <sup>2</sup>		
2.	20N/cm <sup>2</sup>		

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