

Lutene® XL8080TR

Polyethylene
LG Chem Ltd.

Message:

Description
LUTENE XL8080TR has excellent electrical properties for medium and high voltage power cable insulation and especially it shows improved water tree resistance and has thermal aging property.

Applications
Medium and high voltage power cable insulation.(Water Tree Retardant Power Cable Insulation)

General Information			
Features	Good Surface Finish		
Uses	Cable Jacketing		
	Wire & Cable Applications		
Agency Ratings	AEIC CS5-94		
	IEC 60502		
	NEMA WC-7		
Physical	Nominal Value	Unit	Test Method
Density	0.921	g/cm ³	ISO 1183/D
Degree of Crosslinking	> 80	%	ASTM D2765A
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	> 17.7	MPa	ISO 527-2
Tensile Strain (Yield)	500	%	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 ¹	1.0E+16	ohms·cm	IEC 60093
Electric Strength	> 22	kV/mm	IEC 60243-1
Dielectric Constant (1 MHz)	2.25		IEC 60250
Dissipation Factor (1 MHz)	6.0E-4		IEC 60250
Extrusion	Nominal Value	Unit	
Melt Temperature	125 to 135	°C	
NOTE			
1.	23°C		

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