

# XL8080NTS

## Description

Excellent electrical properties for medium voltage(below 35kV) power cable insulation  
 Very low level of contamination  
 Excellent surface finish and outstanding output rates over a broad range of conditions.

## Application

Crosslinkable polyethylene compound for medium voltage  
 power cable Insulation with rated voltage up to 35kV

Properties	Method	Condition	Unit	XL8080NTS
<b>Physical</b>				
Density(Base resin)	ISO1183	23°C	g/cm <sup>3</sup>	0.92
<b>Mechanical</b>				
Tensile Strength	ISO 527	250mm/min	kgf/cm <sup>2</sup>	>200
Elongation	ISO 527	250mm/min	%	>500
Tensile Strength Retention after	ISO 60811-401	135°C, 168hrs	%	>90
Elongation Retention after	ISO 60811-401	135°C, 168hrs	%	>90
Hot Set Test(Elongation under Load)	IEC 60811-507	200°C, 0.2MPa	%	<175
Hot Set Test(Permanent Deformation)	IEC 60811-507	200°C, 0.2MPa	%	<15
<b>Electrical</b>				
Dielectric Constant	ASTM D1505	1MHz		2.3
Dissipation Factor	ASTM D1505	1MHz		0.0003
DC Volume Resistivity	ISO 60093	23°C	Ω·cm	>10 <sup>16</sup>
Dielectric Strength	IEC 60243		KV/mm	>22

## Note

The properties data in this table are typical values, and not guaranteed specification.  
 Typical resin property values are measured on a standard compression molded specimens.

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