

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

Wire & Cable Compound

Properties	Method	Condition	Unit	XL8080NTS
Physical				
Density(Base resin)	ISO1183	23°C	g/cm ³	0.9215
Mechanical				
Tensile Strength	ISO 527	250mm/min	kgf/cm ²	>200
Elongation	ISO 527	250mm/min	%	>500
Tensile Strength Retension after	ISO 60811-401	135°C, 168hrs	%	>90
Elongation Retension 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
Electrical				
Dielectric Constant	ASTM D1505	1MHz		2.3
Dissipation Factor	ASTM D1505	1MHz		0.0003
DC Volume Resistivity	ISO 60093	23°C	Ω·cm	>10 ¹⁶
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.