

XL8080UCS

Description

Superior cleanliness version for high voltage power cable insulation Ultra-Clean(UC) due to its extremely low level of contamination.

Application

Crosslinkable polyethylene compound for high and extra high voltage power cable Insulation with rated voltage up to 230kV

Properties	Method	Condition	Unit	XL8080UCS
Physical				
Density(Base resin)	ISO1183	23°C	g/cm ³	0.92
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.

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