

TPS 125 XL / Y

Intended for use in defence applications

Electrical			
Properties	Method	Conditions	Value
Dielectric constant	ASTM D 150	50 Hz at 20 °C	5
Dielectric strength	Internal	-	> 20 kV/mm
Dissipation factor	-	-	-
Volume resistivity	ASTM D 257	20 °C	$3 \times 10^{12} \Omega \times \text{cm}$

Physical			
Properties	Method	Conditions	Value
Density	ISO 1183	-	1.3 g/cm ³
Elongation at break	IEC 60811-501	50 mm/min	300 %
Hardness	ASTM D 2240	-	89 A
Radiation resistance	-	-	-
Tensile strength	IEC 60881-501	50 mm/min	15 MPa
Water absorption	-	-	-

Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	-	-	-
Continuous temperature rating	IEC 60216	20,000 hrs	+ 130 °C
Flammability	-	-	-
Flame propagation	IEC 60332-1-2	Dependent on cable design	Pass
Oxygen index	ASTM D 2863	-	34 %
Smoke density	-	-	-
Smoke index	-	-	-
Temperature index	-	-	-
Toxicity index	-	-	-

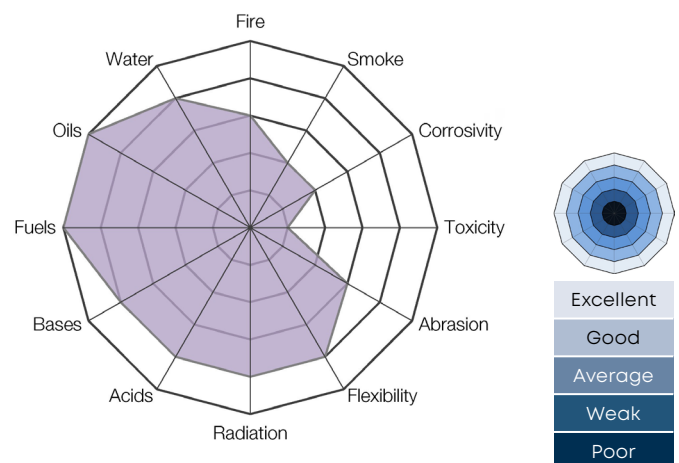
Properties

TPS 125 XL was developed to meet the requirements of VG 95218, particularly as an outer sheath for land based, armoured fighting vehicles.

As such it is very tough and remarkably flexible for a cross-linked material which also has very good moulding characteristics.

TPS 125 XL exhibits very good fluid resistance properties - particularly in oils and fuels - and is suited for Nuclear, Biological and Chemical (NBC) contamination wash down. Although it is neither halogen free or low smoke, TPS 125 XL has good fire resistance properties.

Important: Habia Cable has compiled the information contained herein from what it believes to be accurate and factual sources as of the date printed. Data is based on typical values and might vary depending on cable construction and processing method. Any changes in the data will be made without notification.



Available colours (shades may vary from material to material)

● Black	-	-	-	-	-	-	-	-	-	-
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Characteristics and key properties

Intended use Insulation	Intended use Small / Inner sheath	Intended use Outer sheath					Temp installation -60°C	Temp low -60°C	Temp >20,000 hrs +130°C	Temp peak +150°C
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