

# TPS 130 // R

Intended for general use

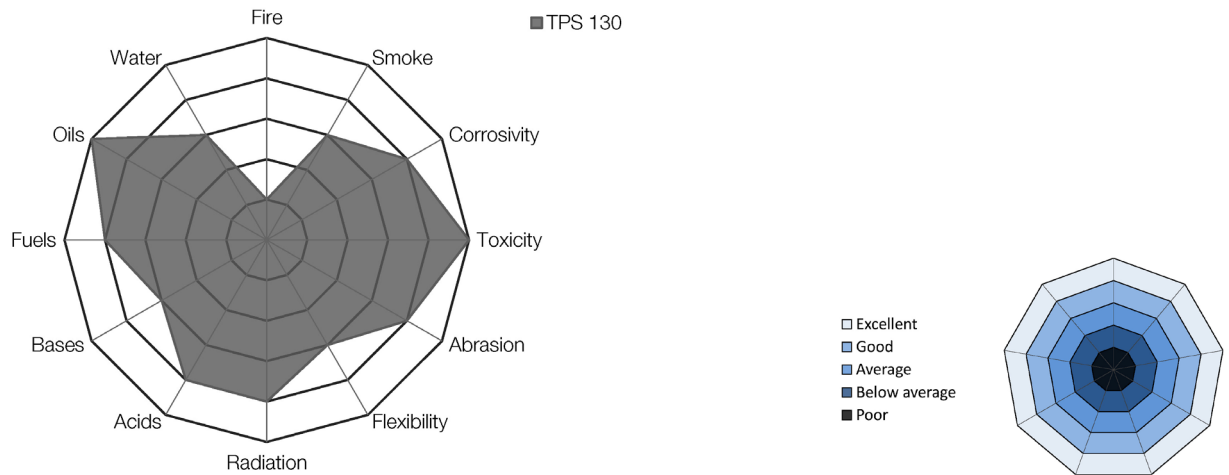
Electrical			
Properties	Method	Conditions	Value
Dielectric constant	IEC 60250	100 Hz	4.0
		1 MHz	3.5
Dielectric strength	IEC 60243-1	-	20 kV/mm
Dissipation factor	IEC 60250	100 Hz	0.016
		1 MHz	0.03
Volume resistivity	ASTM D 257	25 °C	10 <sup>13</sup> Ω x cm
		90 °C	10 <sup>11</sup> Ω x cm

Physical			
Properties	Method	Conditions	Value
Density	ISO 1183	-	1.26 g/cm <sup>3</sup>
Elongation at break	IEC 60811-501	50 mm/min	450 %
Hardness	ISO R 868	-	72 D
Radiation resistance	-	-	-
Tensile strength	IEC 60881-501	50 mm/min	40 MPa
Water absorption	-	-	-

Thermal			
Properties	Method	Conditions	Value
Combustion corrosivity	-	-	-
Continuous temperature rating	IEC 60216	20,000 hrs	+ 90 °C
Flammability	UL 94	1.5 mm	HB
Flame propagation	-	-	-
Oxygen index	ISO 4589-2	-	23 %
Smoke density	-	-	-
Smoke index	-	-	-
Temperature index	-	-	-
Toxicity index	-	-	-



Available colours (shades may vary from material to material)											
Black	Brown	Red	Orange	Yellow	Green	Blue	Violet	Grey	White	Pink	Clear

Characteristics and key properties

TPS 130 is a thin-wall insulation material with very good mechanical properties. This makes it ideal for dynamic use and as the insulation in coiled cables. TPS 130 has excellent fuel and oil resistance but is really intended as a 'general purpose' insulation material for benign environments. TPS 130 is a naturally halogen free material.

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.

Insulation

+110°C High temp

-60°C Low temp

DISCLAIMER: Information is indicative and cannot be considered a binding representation or warranty for products and their use.