

TPS 130 / R

Intended for general use

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

| Physical | | | |
|----------------------|---------------|------------|------------------------|
| Properties | Method | Conditions | Value |
| Density | ISO 1183 | - | 1.26 g/cm ³ |
| 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 | - | - | - |

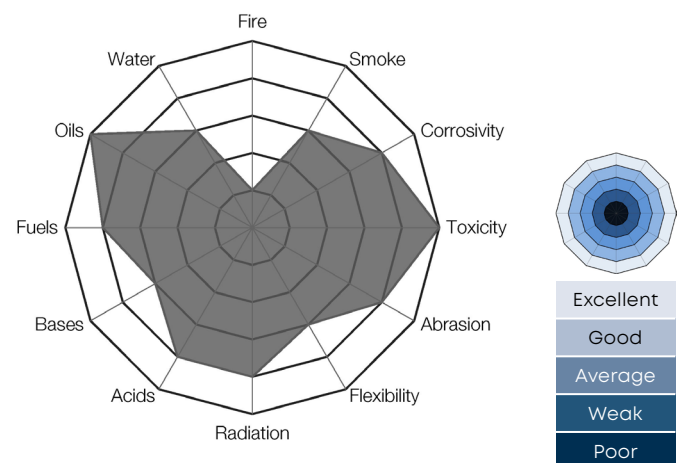
| Thermal | | | |
|-------------------------------|------------|------------|---------|
| Properties | Method | Conditions | Value |
| Combustion corrosivity | - | - | - |
| Continuous temperature rating | IEC 60216 | 20,000 hrs | + 90 °C |
| Flammability | UL 94 | 1.5 mm | HB |
| Flame propagation |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

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.



Available colours (shades may vary from material to material)



Characteristics and key properties

| | | | | | | | | | | |
|--------------|------------|--|--|--|--|--|-------------------|----------|------------------|-----------|
| Intended use | Insulation | | | | | | Temp installation | Temp low | Temp >20,000 hrs | Temp peak |
| | | | | | | | -60°C | -60°C | +90°C | +110°C |

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