

## TPU 90 and 90 M

-40° C +100° C

Intended for general use and offshore (M)

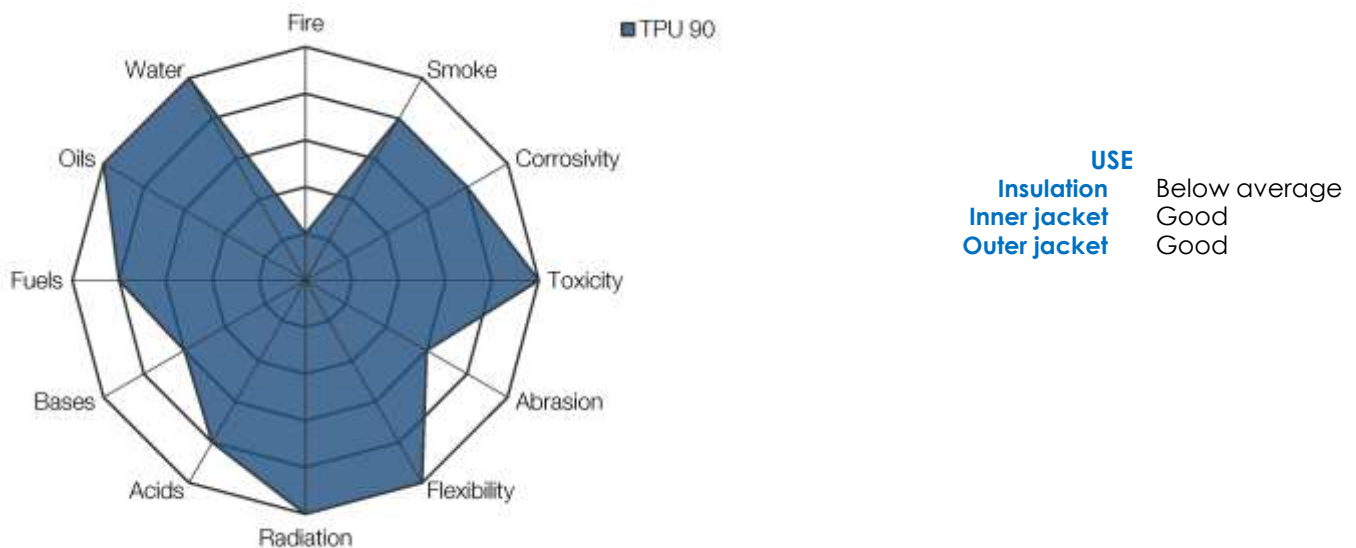
TPU 90 retains the gloss finish that industry expects of a TPU material. It has excellent radiation and water resistance, but TPU 90's greatest strength is in its mechanical properties where it is very tough and has both excellent flexibility and flex-life making it ideal for use in dynamic applications. It also has a very good memory and moulding characteristics, making it easy to form into spiral cables and ideally suited for use with moulded connector backshells.

TPU 90 M has excellent water resistance and is Habia Cable's preferred material for subsea use. It has a lower friction surface than the standard TPU 90, but still retains the gloss finish that industry expects of a TPU material.

### Electrical

Properties	Method	Conditions	Value
Dielectric constant	DIN 53483	50 Hz	7.5
		1 kHz	7.2
Dielectric strength	DIN 53481	2.0 mm	48 kV/mm
Dissipation factor	DIN 53483	50 Hz	0.063
		1 kHz	0.026
Volume resistivity	ASTM D 257	-	> 10 <sup>11</sup> Ω x cm

### Application chart



**Important:** IMCAVI 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.

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

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