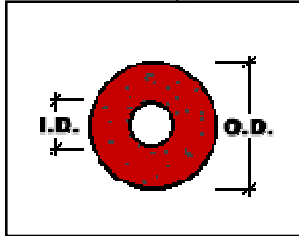


PTFE is extremely stable at high temperatures and can be used continuously at **+260°C**. It is one of the few polymers that retains a measure of toughness & strength even at cryogenic temperatures and has been used safely in outer space at temperatures at well below **-70°C**

It is virtually inert to all chemicals; organic solvents do not attack or dissolve it & is extremely hydrophobic & sheds vapours almost totally.



TW - PTFE Thin wall tubing

Operating Temperature
-70°C to +260°C

Main features

Thin wall
Resistant to solvents & chemicals
High temperature rated

Specifications: BS 2848 Type 6 / 250T

AWG	I.D. mm	Wall thickness mm	AWG	I.D. mm	Wall thickness mm
0	8.53 ±0.280	0.25 ±0.051	13	1.93 ±0.102	0.20 ±0.051
1	7.62 ±0.280	0.25 ±0.051	14	1.73 ±0.102	0.20 ±0.051
2	6.81 ±0.250	0.25 ±0.051	15	1.57 ±0.102	0.20 ±0.051
3	6.07 ±0.250	0.25 ±0.051	16	1.42 ±0.102	0.20 ±0.051
4	5.44 ±0.250	0.25 ±0.051	17	1.27 ±0.102	0.20 ±0.051
5	4.83 ±0.200	0.25 ±0.051	18	1.14 ±0.102	0.20 ±0.051
6	4.29 ±0.180	0.20 ±0.051	19	1.02 ±0.102	0.18 ±0.051
7	3.84 ±0.180	0.20 ±0.051	20	0.89 ±0.102	0.18 ±0.051
8	3.43 ±0.150	0.20 ±0.051	22	0.71 ±0.102	0.15 ±0.051
9	3.02 ±0.127	0.20 ±0.051	24	0.58 ±0.102	0.15 ±0.051
10	2.72 ±0.127	0.20 ±0.051	26	0.51 ±0.102	0.15 ±0.051
11	2.44 ±0.127	0.20 ±0.051	28	0.41 ±0.102	0.15 ±0.051
12	2.16 ±0.102	0.20 ±0.051			

E&OE

Ordering Information

Colours:

Various, Natural as standard.

For ordering:

Please specify, the type, colour, size and quantity

(Example TW AWG 28-0- xxxm)

Users should evaluate the product(s) to ensure they meet with their applications.

Electrical	
Properties	Typical value
Dielectric Strength	50 kV/mm
Volume Resistivity	10 ¹⁸ Ω.cm
Surface Resistance	10 ¹⁷ Ω
Service Temperature	-70°C to +260°C
Melting Temperature	+320°C to +350°C
Thermal Conductivity	0.2 to 0.5 W/m.k
Mechanical	
Properties	Typical value
Tensile Strength	33 M/mm ²
Elongation at break	350 %
Density	2.15g/cm ³
Shore Hardness	D55