

Thermal Memory Ltd

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Great Britain

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Operating Temperature
-70°C to +260°C

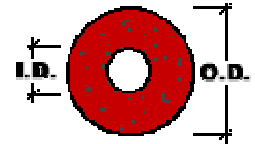
Main features
Imperial wall
Resistant to solvents & chemicals
High temperature rated

IW PTFE is extremely stable at high temperatures & 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 & has been used safely in outer space at temperatures well below -70°C.

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

IW PTFE Imperial Tubing

Specification: BS2848, Type 6, Class 250T



SIZE inches	I.D. mm	O.D. mm	SIZE inches	I.D. mm	O.D. mm
1/32" x 1/16"	0.80	1.60	1/4" x 5/16"	6.40	7.92
1/32" x 3/32"	0.80	2.40	1/4id x 0.04w	6.40	8.38
1/32" x 1/8"	0.81	3.20	1/4" x 3/8"	6.40	9.50
1/16" x 1/8"	1.60	3.20	5/16" x 3/8"	7.92	9.50
1/16" x 3/16"	1.60	4.80	0.322 x 0.477	8.18	11.35
3/32" x 5/32"	2.40	3.96	3/8" x 7/16"	9.50	11.10
1/8" x 3/16"	3.20	4.80	3/8" x 1/2"	9.50	12.70
1/8" x 1/4"	3.20	6.40	0.385 x 0.510	9.78	12.95
5/32" x 1/4"	4.00	6.40	1/2" x 5/8"	12.70	15.90
1/4od x 0.04w	4.32	6.40	0.515 x 0.655	13.08	16.50
3/16" x 1/4"	4.80	6.40	5/8od x 0.050w	13.34	15.90
3/16id x 0.04w	4.80	6.78	5/8" x 3/4"	15.90	19.10
3/16" x 5/16"	4.80	7.92	3/4" x 7/8"	19.10	22.23

Ordering Information

Colour:
X Natural as standard, other colors to minimum order quantities.

For ordering:
Specify, the type, colour, size & quantity.
(Example IW 3/4" x 7/8"-X-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

^ to the power of