

Plumbing Copper Tubes Mechanical Properties Data Sheet



Mechanical Properties

BS EN 1057 Plumbing Copper Tubes

Dimensions and Tolerances (includes chrome plated and PVC covered)

LAWTON
PLUMBING

O.D. (mm)	Wall (mm)	Temper	Max Working Pressure bar up	Thickness Tolerance	Diameter Tolerance	
					Mean	Including Ovality
6	0.6 (TX)	Half Hard	133	±10%	± 0.04mm	±0.09mm
6	0.6	Soft	90	±10%	± 0.04mm	Not applicable
6	0.8 (TY)	Half Hard	188	±10%	± 0.04mm	±0.09mm
8	0.6 (TX)	Half Hard	97	±10%	± 0.04mm	±0.09mm
8	0.6	Soft	66	±10%	± 0.04mm	Not applicable
8	0.8 (TY)	Half Hard	136	±10%	± 0.04mm	±0.09mm
10	0.6 (TX)	Half Hard	77	±10%	± 0.04mm	±0.09mm
10	0.7 (TY)	Soft	62	±10%	± 0.04mm	Not applicable
10	0.8 (TY)	Half Hard	106	±10%	± 0.04mm	±0.09mm
12	0.6 (TX)	Half Hard	63	±10%	± 0.04mm	±0.09mm
12	0.8 (TY)	Half Hard	87	±10%	± 0.04mm	±0.09mm
15	0.7 (TY)	Half Hard	58	±10%	± 0.04mm	±0.09mm
15	1.0 (TX)	Half Hard	87	±13%	± 0.04mm	±0.09mm
15	1.0 (TY)	Soft	67	±13%	± 0.04mm	Not applicable
22	0.9 (TX)	Half Hard	51	±10%	± 0.05mm	±0.10mm
22	1.2 (TY)	Half Hard	69	±15%	± 0.05mm	±0.10mm
22	1.2 (TY)	Soft	57	±15%	± 0.05mm	Not applicable
28	0.9 (TX)	Half Hard	40	±10%	± 0.05mm	±0.10mm
28	1.2 (TY)	Half Hard	55	±15%	± 0.05mm	±0.10mm
35	1.0 (LiteX)	Hard	42	±15%	± 0.06mm	±0.07mm
35	1.2 (TX)	Half Hard	42	±10%	± 0.06mm	±0.11mm
35	1.5 (TY)	Hard	64	±10%	± 0.06mm	±0.07mm
42	1.0 (LiteX)	Hard	35	±15%	± 0.06mm	±0.07mm
42	1.2 (TX)	Half Hard	35	±10%	± 0.06mm	±0.11mm
42	1.5 (TY)	Hard	53	±10%	± 0.06mm	±0.07mm
54	1.2 (LiteX)	Hard	33	±15%	± 0.06mm	±0.07mm
54	1.2 (TX)	Half Hard	27	±10%	± 0.06mm	±0.11mm
54	2.0 (TY)	Hard	55	±10%	± 0.06mm	±0.07mm
66.7	1.2 (TX)	Hard	26	±15%	± 0.07mm	±0.10mm
66.7	2.0 (TY)	Hard	45	±15%	± 0.07mm	±0.10mm
76.1	1.5 (TX)	Hard	29	±15%	± 0.07mm	±0.10mm
76.1	2.0 (TY)	Hard	39	±15%	± 0.07mm	±0.10mm
108	1.5 (TX)	Hard	20	±15%	± 0.07mm	±0.20mm
108	2.5 (TY)	Hard	34	±15%	± 0.07mm	±0.20mm
133	1.5 (TX)	Hard	16	±15%	± 0.20mm	±0.70mm
159	2.0 (TX)	Hard	18	±15%	± 0.20mm	±0.70mm
219	3.0 (TX)	Hard	20	±15%	± 0.60mm	±1.50mm

Working pressures are to BS
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