

Nickel Silver Alloy Tube (Cu62/Ni18/Zn20)

Formula: Cu62/Ni18/Zn20

Outside Diameter: 1.28mm

Wall Thickness: 0.12mm

Inside Diameter: 1.04mm

Length: 500mm

Temper: As Drawn

UOM Code: 004-292-29

SKU: 1000000548-group

Product Code: CU10-TB-000160

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	75-190
Elongation at break(%)	45
Modulus of elasticity(GPa)	120-135
Izod impact strength(J m ²)	110-130
Shear strength(MPa)	290-400
Tensile strength(MPa)	400-700

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	29
Temperature coefficient(K ⁻¹)	0.0003

Thermal Properties

Element	Value
Melting point(C)	1060-1110
Thermal conductivity(W m ⁻¹ K ⁻¹)	28@23°C
Coefficient of thermal expansion($\times 10^{-6}$ K ⁻¹)	16-17.1@25-300°C

Physical Properties

Element	Value
Density(gcm ³)	8.72