

Phosphor Bronze Coil (Cu94/Sn 6)

Formula: Cu94/Sn 6

Temper: As Rolled

Thickness: 0.005mm

Coil Width: 115mm

Length: 2m

UOM Code: 009-515-44

SKU: 1000001322-group

Product Code: CU05-FL-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	80-225
Elongation at break(%)	60
Modulus of elasticity(GPa)	90-120
Izod impact strength(J m ³)	62
Shear strength(MPa)	250-430
Tensile strength(MPa)	320-740

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	11.0-16.0
Temperature coefficient(K ³)	0.0006-0.0007

Thermal Properties

Element	Value
Melting point(C)	900-1050
Thermal conductivity(W m ³ K ³)	50-75@23°C
Coefficient of thermal expansion(x10 ³ K ³)	17@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	8.9