

Nickel Silver Alloy Disk (Cu64/Ni12/Zn24)

Formula: Cu64/Ni12/Zn24

Thickness: 0.125mm

Diameter: 23mm

UOM Code: 104-369-62

SKU: 1000017647-group

Product Code: CZ08-FL-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	3
Modulus of elasticity(GPa)	125
Hardness - Vickers(kgf mm ²)	190
Tensile strength(MPa)	620

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	130
Temperature coefficient(K ⁻¹)	-

Physical Properties

Element	Value
Density(gcm ³)	8.67

Thermal Properties

Element	Value
Thermal conductivity(W m ⁻¹ K ⁻¹)	42@23°C
Coefficient of thermal expansion($\times 10^{-6}$ K ⁻¹)	16@20-200°C