

Nickel Silver Alloy Disk (Cu62/Ni18/Zn20)

Formula: Cu62/Ni18/Zn20

Temper: As Rolled

Thickness: 0.4mm

Diameter: 11.5mm

Production Method: Flattened

UOM Code: 100-342-39

SKU: 1000014254-group

Product Code: CU10-FL-000111

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(x10 ⁻⁶ K ⁻¹)	16-17.1@25-300°C

Physical Properties

Element	Value
Density(gcm ³)	8.72