

# Nickel Silver Alloy Foil (Cu64/Ni12/Zn24)

**Formula:** Cu64/Ni12/Zn24

**Thickness:** 0.125mm

**Length 1:** 100mm

**Length 2:** 100mm

**UOM Code:** 247-729-15

**SKU:** 1000072570-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 <sup>2</sup> )	190
Tensile strength( MPa )	620

### Electrical Properties

Element	Value
Electrical resistivity( $\mu\text{Ohmcm}$ )	130
Temperature coefficient( K <sup>-1</sup> )	-

### Physical Properties

Element	Value
Density( gcm <sup>3</sup> )	8.67

### Thermal Properties

Element	Value
Thermal conductivity( W m <sup>-1</sup> K <sup>-1</sup> )	42@23°C
Coefficient of thermal expansion( x10 <sup>-6</sup> K <sup>-1</sup> )	16@20-200°C