

Nickel/Beryllium/Titanium Alloy Foil (Light Tight) (Ni97.5/Be 1.95/Ti 0.5)

Formula: Ni97.5/Be 1.95/Ti 0.5

Thickness: 0.2mm

Length 1: 50mm

Length 2: 50mm

UOM Code: 113-153-37

SKU: 1000025707-group

Product Code: NI08-FL-000150

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	>4
Modulus of elasticity(GPa)	195-210
Hardness - Vickers(kgf mm ²)	180-385
Tensile strength(MPa)	895-1205

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	43
Temperature coefficient(K ⁻¹)	-

Thermal Properties

Element	Value
Melting point(C)	1195-1325
Thermal conductivity(W m ⁻¹ K ⁻¹)	48@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	14@20-200°C

Physical Properties

Element	Value
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Density(gcm³) 8.14