

Monel® K-500 Foil

Formula: Ni63/Cu30/Al3/Fe2/Mn1.5/Ti0.5

Temper: Annealed

Thickness: 3.5mm

Length 1: 100mm

Length 2: 100mm

UOM Code: 208-361-33

SKU: 1000084994-group

Product Code: NE04-SH-000150

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	45
Modulus of elasticity(GPa)	179
Tensile strength(MPa)	630-1370

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	61
Temperature coefficient(K^{-1})	-

Magnetic Properties

Element	Value
Curie temperature(C)	-134

Thermal Properties

Element	Value
Melting point(C)	2400-2460
Specific heat($\text{J K}^{-1} \text{kg}^{-1}$)	419@23°C
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	17@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	8@20-150°C

Physical Properties

Element	Value
---------	-------

Density(gcm ³)	8.4
-----------------------------	-----