

Cobalt/Chromium/Tungsten/Nickel/Iron/Manganese Alloy Foil (Light Tight) (Co50/Cr20/W 15/Ni10/Fe 3/Mn 2)

Formula: Co50/Cr20/W 15/Ni10/Fe 3/Mn 2

Thickness: 0.25mm

Length 1: 100mm

Length 2: 100mm

UOM Code: 046-794-99

SKU: 1000006604-group

Product Code: CN01-FL-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	58.5
Modulus of elasticity(GPa)	225
Tensile strength(MPa)	860

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	88.6
Temperature coefficient(K^{-1})	-

Thermal Properties

Element	Value
Melting point(C)	1330-1410
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	9.4@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	12.6@25-100°C

Physical Properties

Element	Value
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Density(gcm³) 9.13