Manganin® Foil (Light Tight)

Manganin foil (light tight) is a pinhole?free resistive alloy foil providing electrical stability and total optical blocking for sensitive measurement systems. **SKU:** 1000000903-group
Product Code: CU06-FL-000120

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	50
Modulus of elasticity(GPa)	124-159
Izod impact strength(J m?¹)	107
Tensile strength(MPa)	300-600

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	43-48
Temperature coefficient(K?¹)	0.00001

Thermal Properties

Element	Value
Maximum use temperature in air(C)	300
Melting point(C)	960
Thermal conductivity(W m?¹ K?¹)	22@23°C
Coefficient of thermal expansion(x10?? K?¹)	14-19@20-100°C

Physical Properties

Element	Value
Density(gcm?³)	8.4