Evanohm® Foil (Light Tight)

Evanohm® foil (light tight) combines resistance stability with complete optical blocking for light-sensitive metrology, cryogenic physics, and aerospace electronics. **SKU:** 1000006276-group
Product Code: NI17-FL-000150

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	33
Modulus of elasticity(GPa)	221
Izod impact strength(J m?¹)	42-100
Tensile strength(MPa)	1210

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	134
Temperature coefficient(K?¹)	0.00001

Thermal Properties

Element	Value
Maximum use temperature in air(C)	300
Melting point(C)	1340-1390
Specific heat(J K?¹ kg?¹)	435@23°C
Thermal conductivity(W m?¹ K?¹)	14.6@23°C
Coefficient of thermal expansion(x10?? K?¹)	11.7@20-100°C

Physical Properties

Element	Value
Density(gcm?³)	8.1