Tungsten-Copper Foil (Light Tight) (W60-Cu40)

Tungsten copper alloy foil (light tight) (W60/Cu40) with pinhole?free shielding, conductivity, and thermal stability for optical seals, vacuum electronics, and photonic shielding. **SKU:** 1000001658-group
Product Code: W-18-FL-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Rockwell	82
Hardness - Vickers(kgf mm?²)	140
Tensile strength(MPa)	460

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	3.7
Temperature coefficient(K?¹)	-

Physical Properties

Element	Value
Density(gcm?³)	13

Thermal Properties

Element	Value
Specific heat(J K?¹ kg?¹)	240@25°C
Thermal conductivity(W m?¹ K?¹)	228@23°C
Coefficient of thermal expansion(x10?? K?¹)	11.7@20°C