

Brass Foil (Light Tight) (Cu63/Zn37)

Formula: Cu63/Zn37

Thickness: 4mm

Length 1: 50mm

Length 2: 50mm

UOM Code: 092-247-37

SKU: 1000013026-group

Product Code: CU02-FL-000230

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	65-136
Elongation at break(%)	55
Modulus of elasticity(GPa)	95-110
Shear strength(MPa)	280-310
Tensile strength(MPa)	330-500

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	6.2-6.6
Temperature coefficient(K^{-1})	0.0016-0.0017

Thermal Properties

Element	Value
Melting point(C)	900-920
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	125@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	19-20.5@20-100°C

Physical Properties

Element	Value
Density(gcm^{-3})	8.45