

# Brass Foil (Cu63/Zn37)

**Formula:** Cu63/Zn37

**Temper:** As Rolled

**Thickness:** 0.005mm

**Length 1:** 25mm

**Length 2:** 25mm

**UOM Code:** 000-020-91

**SKU:** 1000000008-group

**Product Code:** CU02-FL-000100

## 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( $\mu\text{Ohmcm}$ )	6.2-6.6
Temperature coefficient( $\text{K}^{-1}$ )	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
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Density( gcm<sup>3</sup> ) 8.45