

Copper/Beryllium Alloy Foil (Cu98/Be 2)

Formula: Cu98/Be 2

Temper: As Rolled

Thickness: 0.004mm

Length 1: 100mm

Length 2: 100mm

UOM Code: 062-699-35

SKU: 1000008768-group

Product Code: CU07-FL-000100

Material Properties for Alloys

Mechanical Properties

| Element | Value |
|------------------------------|----------|
| Hardness - Brinell | 100-360 |
| Elongation at break(%) | 50 |
| Modulus of elasticity(GPa) | 120-160 |
| Tensile strength(MPa) | 500-1300 |

Electrical Properties

| Element | Value |
|---|--------------|
| Electrical resistivity(μOhmcm) | 5.4-11.5 |
| Temperature coefficient(K^{-1}) | 0.001-0.0018 |

Thermal Properties

| Element | Value |
|--|-------------|
| Melting point(C) | 860-1000 |
| Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$) | 60-120@23°C |
| Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$) | 17@25-300°C |

Physical Properties

| Element | Value |
|------------------------------|-------|
| Density(gcm^{-3}) | 8.25 |