

Cobalt/Chromium/Iron/Nickel/Molybdenum/Manganese Alloy Foil (Co40/Cr20/Fe15/Ni15/Mo 7/Mn 2/C/Be)

Formula: Co40/Cr20/Fe15/Ni15/Mo 7/Mn 2/C/Be

Temper: Half Hard

Thickness: 0.1mm

Length 1: 10mm

Length 2: 10mm

UOM Code: 260-431-58

SKU: 1000042409-group

Product Code: CO12-FL-000140

Material Properties for Alloys

Electrical Properties

| Element | Value |
|---|-------|
| Electrical resistivity(μOhmcm) | 95 |

Thermal Properties

| Element | Value |
|--|--------------|
| Melting point(C) | 1450-1460 |
| Specific heat($\text{J K}^{-1} \text{kg}^{-1}$) | 430@20°C |
| Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$) | 12.5@20°C |
| Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$) | 12.5@0-100°C |

Physical Properties

| Element | Value |
|------------------------------|-------|
| Density(gcm^{-3}) | 8.3 |

Mechanical Properties

| Element | Value |
|------------------------------|----------|
| Modulus of elasticity(GPa) | 200 |
| Tensile strength(MPa) | 800-2200 |