

Cobalt/Chromium/Iron/Nickel/Molybdenum/Manganese Alloy Coil (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

Coil Width: 65mm

Length: 0.2m

UOM Code: 492-320-22

SKU: 1000042398-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