

Metallic Glass

Cobalt/Boron/Silicon/Iron/Molybdenum/Nickel Coil

Grade: Metallic Glass

Formula: Co69/B 12/Si12/Fe 4/Mo 2/Ni 1 (Atomic %)

Thickness: 0.025mm

Coil Width: 50mm

Length: 0.5m

UOM Code: 492-826-89

SKU: 1000042984-group

Product Code: CO82-FL-000150

Material Properties for Glasses

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	136

Magnetic Properties

Element	Value
Coercivity - as cast(A m^{-1})	0.8
Remanence ratio(Br/Bs)	0.83
Curie temperature($^{\circ}\text{C}$)	365
Saturation flux density(T)	0.7
Saturation magnetostriction($\times 10^{-4}$)	1

Thermal Properties

Element	Value
Crystallisation temperature($^{\circ}\text{C}$)	520
Maximum use temperature in air($^{\circ}\text{C}$)	80

Physical Properties

Element	Value
Density(gcm^{-3})	7.8

Mechanical Properties

Element	Value
Tensile modulus(GPa)	63
Hardness - Vickers(kgf mm ²)	900
Tensile strength(MPa)	700