

Metallic Glass Iron/Boron/Silicon Coil (Fe79/B 16/Si 5 (Atomic %))

Grade: Metallic Glass

Formula: Fe79/B 16/Si 5 (Atomic %)

Thickness: 0.025mm

Coil Width: 50mm

Length: 1m

UOM Code: 123-875-40

SKU: 1000033717-group

Product Code: FE82-FL-000150

Material Properties for Glasses

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	125

Magnetic Properties

Element	Value
Coercivity - as cast(A m^{-1})	16
Remanence ratio(Br/Bs)	0.19
Curie temperature(C)	405
Saturation flux density(T)	1.58
Saturation magnetostriction($\times 10^{-6}$)	27

Thermal Properties

Element	Value
Crystallisation temperature(C)	515
Maximum use temperature in air(C)	150

Physical Properties

Element	Value
Density(gcm^{-3})	7.28

Mechanical Properties

Element	Value
Hardness - Vickers(kgf mm ²)	900
Tensile strength(MPa)	1500