

High Permeability Magnetic Alloy/Mu-metal Disk (Ni80/Fe15/Mo 5)

Formula: Ni80/Fe15/Mo 5

Thickness: 0.012mm

Diameter: 15mm

UOM Code: 324-130-25

SKU: 1000136741-group

Product Code: NI18-FL-000120

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	50
Modulus of elasticity(GPa)	225
Hardness - Vickers(kgf mm ²)	115-125
Tensile strength(MPa)	500-700

Electrical Properties

Element	Value
Electrical resistivity(μ Ohmcm)	55
Temperature coefficient(K ⁻¹)	-

Physical Properties

Element	Value
Density(gcm ³)	8.8

Thermal Properties

Element	Value
Specific heat(J K ⁻¹ kg ⁻¹)	455@23
Thermal conductivity(W m ⁻¹ K ⁻¹)	19@23°C