

Iron/Chromium/Molybdenum Alloy Disk (Fe90/Cr 9/Mo 1)

Formula: Fe90/Cr 9/Mo 1

Temper: As Rolled

Thickness: 0.005mm

Diameter: 8mm

UOM Code: 043-188-26

SKU: 1000005966-group

Product Code: FE01-FL-000120

Material Properties for Alloys

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	49.9

Physical Properties

Element	Value
Density(gcm^3)	7.78

Mechanical Properties

Element	Value
Shear strength(MPa)	410
Tensile strength(MPa)	590

Thermal Properties

Element	Value
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	26@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	11.3@25-100°C