

Glass Sealing Alloy Spooled Wire (Fe54/Ni29/Co17)

Formula: Fe54/Ni29/Co17

Product Shape: Spooled

Diameter: 0.12mm

Length: 200m

Temper: As Drawn

UOM Code: 004-829-70

SKU: 1000000629-group

Product Code: FE04-WR-000120

Material Properties for Alloys

Mechanical Properties

Element	Value
Elongation at break(%)	30
Modulus of elasticity(GPa)	207
Tensile strength(MPa)	510-520

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	48.9
Temperature coefficient(K^{-1})	0.0037

Magnetic Properties

Element	Value
Curie temperature(C)	435

Thermal Properties

Element	Value
Melting point(C)	1450
Specific heat($\text{J K}^{-1} \text{kg}^{-1}$)	439@23°C
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	17.3@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	4.81 @20-200°C

Physical Properties

Element	Value
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Density(gcm ³)	8.36-8.5
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