

Glass Sealing Alloy Foil (Light Tight) (Fe54/Ni29/Co17)

Formula: Fe54/Ni29/Co17

Temper: Annealed

Thickness: 0.5mm

Length 1: 150mm

Length 2: 150mm

UOM Code: 027-378-52

SKU: 1000003302-group

Product Code: FE04-FL-000210

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

Element	Value
Coefficient of thermal expansion($\times 10^{-6} \text{ K}^{-1}$)	4.81@20-200°C

Physical Properties

Element	Value
Density(gcm^{-3})	8.36-8.5