

Aluminum/Magnesium/Silicon Alloy Foil (Al98/Mg 1/Si 1)

Formula: Al98/Mg 1/Si 1

Temper: T4

Thickness: 0.7mm

Length 1: 10mm

Length 2: 10mm

UOM Code: 235-119-18

SKU: 1000021019-group

Product Code: AL08-FL-000131

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	65-95
Elongation at break(%)	20
Modulus of elasticity(GPa)	69
Tensile strength(MPa)	245-325

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	3.4-3.8
Temperature coefficient(K^{-1})	0.0031-0.0035

Physical Properties

Element	Value
Density(gcm^{-3})	2.69

Thermal Properties

Element	Value
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	180-195@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	23@20-100°C