

Aluminum/Magnesium/Silicon Alloy Foil (Al98/Mg 1/Si 0.6)

Formula: Al98/Mg 1/Si 0.6

Temper: As Rolled

Thickness: 0.03mm

Length 1: 10mm

Length 2: 10mm

UOM Code: 220-898-41

SKU: 1000020268-group

Product Code: AL03-FL-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	10-100
Elongation at break(%)	20
Modulus of elasticity(GPa)	70
Izod impact strength(J m ²¹)	27-34
Shear strength(MPa)	160-200
Tensile strength(MPa)	150-430

Electrical Properties

Element	Value
Electrical resistivity(μ Ohmcm)	3.4-3.8
Temperature coefficient(K ²¹)	0.003

Physical Properties

Element	Value
Density(gcm ³)	2.69

Thermal Properties

Element	Value
---------	-------

Specific heat(J K ⁻¹ kg ⁻¹)	904@23°C
Thermal conductivity(W m ⁻¹ K ⁻¹)	180-193@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	23@20-100°C