

AISI 304 Stainless Steel Foil

Formula: Fe/Cr18/Ni10

Temper: Annealed

Thickness: 0.1mm

Length 1: 25mm

Length 2: 25mm

UOM Code: 005-134-14

SKU: 1000000661-group

Product Code: FE22-FL-000270

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	160-190
Elongation at break(%)	60
Modulus of elasticity(GPa)	190-210
Izod impact strength(J m ⁻¹)	20-136
Tensile strength(MPa)	460-1100

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	70-72

Thermal Properties

Element	Value
Melting point(C)	1400-1455
Thermal conductivity(W m ⁻¹ K ⁻¹)	16.3@23°C
Coefficient of thermal expansion($\times 10^{-6}$ K ⁻¹)	18@20-100°C

Physical Properties

Element	Value
Density(gcm ⁻³)	7.93