

AISI 302 Stainless Steel Foil

Formula: Fe/Cr18/Ni 8

Temper: Hard

Thickness: 0.2mm

Length 1: 300mm

Length 2: 300mm

UOM Code: 049-429-86

SKU: 1000007000-group

Product Code: FE20-FL-000197

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 ²)	20-136
Tensile strength(MPa)	510-1100

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	70-72

Thermal Properties

Element	Value
Melting point(C)	1400-1420
Thermal conductivity(W m ⁻¹ K ⁻¹)	16.3@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	15-18@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	7.92