

AISI 321 Stainless Steel Foil

Formula: Fe/Cr18/Ni 9/Ti

Temper: Annealed

Thickness: 0.25mm

Length 1: 300mm

Length 2: 300mm

UOM Code: 747-673-82

Legacy Code: FE210320

Distributor Code: GF74767382

SKU: 1000100882

Product Code: FE21-FL-000220

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)	560

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	70-73
Temperature coefficient(K ⁻¹)	-

Thermal Properties

Element	Value
Maximum use temperature in air(C)	800
Melting point(C)	1400-1425
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)	7.9