AISI 301 Stainless Steel Foil/Sheet - T 1mm 100mm x 100mm

Formula: Fe/Cr17/Ni 7/C 0.1max
Temper: Hard
Thickness: 1mm
Length 1: 100mm
Length 2: 100mm
UOM Code: 332-648-21
Legacy Code: FE270310
Distributor Code: GF33264821
SKU: 1000107382
Product Code: FE27-FL-000110

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	165
Elongation at break(%)	60
Modulus of elasticity(GPa)	190-210
Izod impact strength(J m?¹)	20-136
Tensile strength(MPa)	550-1260

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?? K?¹)	18@20-100°C

Physical Properties

Element	Value
Density(gcm?³)	7.9