

AISI 310 Stainless Steel Foil (Light Tight)

Formula: Fe/Cr25/Ni20

Temper: Annealed

Thickness: 2mm

Length 1: 100mm

Length 2: 100mm

UOM Code: 667-175-46

SKU: 1000107092-group

Product Code: FE25-FL-000150

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	170
Elongation at break(%)	50
Modulus of elasticity(GPa)	190-210
Izod impact strength(J m ²)	20-136
Tensile strength(MPa)	530-1200

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	70-78

Thermal Properties

Element	Value
Melting point(C)	1400-1455
Thermal conductivity(W m ⁻¹ K ⁻¹)	16.3@23°C
Coefficient of thermal expansion(x10 ⁻⁶ K ⁻¹)	16-18@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	7.9