

Duplex Stainless Steel Foil

Formula: Fe/Cr22/Ni 5.5/Mo 3/N

Thickness: 2mm

Length 1: 10mm

Length 2: 10mm

UOM Code: 155-245-07

SKU: 1000053089-group

Product Code: FA20-FL-000100

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	290
Elongation at break(%)	25
Modulus of elasticity(GPa)	200

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	80
Temperature coefficient(K^{-1})	-

Thermal Properties

Element	Value
Melting point(C)	1440
Specific heat($\text{J K}^{-1} \text{kg}^{-1}$)	500@23°C
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	19@23°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	13.7@20-100°C

Physical Properties

Element	Value
Density(gcm^{-3})	7.8