AISI 409 Stainless Steel Foil/Sheet

Ferritic 409 SS foil (S40900, 1.4512, Fe/Cr 11) — oxidation resistant, formable, weldable for exhaust components, heat shields & catalytic substrates. **SKU:** 1000234108-group
Product Code: FP18

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	?131
Elongation at break(%)	?25
Modulus of elasticity(GPa)	200
Tensile strength(MPa)	?450

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	60

Thermal Properties

Element	Value
Melting point(C)	1450-1510
Thermal conductivity(W m?¹ K?¹)	25.8@100°C
Coefficient of thermal expansion(x10?? K?¹)	11.0@0-100°C

Physical Properties

Element	Value
Density(gcm?³)	7.8