AISI 309S Stainless Steel Foil/Sheet

Low-C austenitic SS foil (S30908, 22–24Cr/12–15Ni, C ?0.08%, ~620 MPa) for furnace mesh, heat-treatment baskets & radiant tube supports above 900 °C. **SKU:** 1000234077-group
Product Code: FF22

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	?217
Elongation at break(%)	45
Modulus of elasticity(GPa)	200
Tensile strength(MPa)	670

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	78

Thermal Properties

Element	Value
Melting point(C)	1400-1455
Thermal conductivity(W m?¹ K?¹)	15.6@23°C
Coefficient of thermal expansion(x10?? K?¹)	15.6@23°C

Physical Properties

Element	Value
Density(gcm?³)	8.03