AISI 304 Stainless Steel Plain Weave Gauze

18Cr–10Ni plain weave SS gauze (925 °C rated) for liquid & gas filtration, sieving, catalyst beds, ventilation meshes & electrochemical membrane supports. **SKU:** 1000021995-group
Product Code: FE22-MS-000110

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	160-190
Elongation at break(%)	60
Modulus of elasticity(GPa)	190-210
Izod impact strength(J m?¹)	20-136
Tensile strength(MPa)	460-1100

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	70-72

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?? K?¹)	18@20-100°C

Physical Properties

Element	Value
Density(gcm?³)	7.93