

AISI 304 Stainless Steel Plain Weave Gauze

Formula: Fe/Cr18/Ni10

Thickness: 0.5mm

Length 1: 10mm

Length 2: 10mm

Product Shape: Plain Weave

Open Area: 37%

Nominal Aperture: 0.38

Wires/Inch: 40x40

Wire Diameter: 0.25mm

UOM Code: 109-296-28

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 ²)	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($\times 10^{-6}$ K ⁻¹)	18@20-100°C

Physical Properties

Element	Value
Density(gcm ³)	7.93