5052 Aluminum Plain Weave Gauze

5052 aluminum plain weave gauze delivers corrosion resistance, flexibility, and stable strength, supporting filtration, EMI shielding, composite reinforcement, marine systems, and controlled-environment research. **SKU:** 1000016380-group
Product Code: AB21-MS

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell(HBW)	60
Elongation at break(%)	12-18
Modulus of elasticity(GPa)	70.3
Tensile strength(MPa)	228

Electrical Properties

Element	Value
Electrical resistivity(µOhmcm)	4.99

Thermal Properties

Element	Value
Melting point(C)	607-649
Thermal conductivity(W m?¹ K?¹)	138
Coefficient of thermal expansion(x10?? K?¹)	23.8

Physical Properties

Element	Value
Density(gcm?³)	2.68