5052 Aluminum Foil/Sheet

Al-Mg alloy foil (H32, 228 MPa, 2.68 g/cm³, 138 W/m·K) for marine EMI shielding, cryogenic insulation barriers & corrosion-resistant packaging. **SKU:** 1000001089-group
Product Code: AB21-FL-000100

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