AZ31 Magnesium Foil (Light Tight)

AZ31 magnesium foil (light tight) delivers lightweight structural strength with optical opacity for aerospace shielding, electronic housings, sensor enclosures, and light-sensitive systems. **SKU:** 1000055868-group
Product Code: MG01-FL-000250

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	73
Elongation at break(%)	15
Modulus of elasticity(GPa)	45
Tensile strength(MPa)	290

Thermal Properties

Element	Value
Melting point(C)	605-630
Specific heat(J K?¹ kg?¹)	1001
Thermal conductivity(W m?¹ K?¹)	96
Coefficient of thermal expansion(x10?? K?¹)	26@20-100°C

Physical Properties

Element	Value
Density(gcm?³)	1.8