

AZ31 Magnesium Foil (Light Tight)

Formula: Mg96/Al 3/Zn 1

Thickness: 1mm

Length 1: 25mm

Length 2: 25mm

UOM Code: 159-386-57

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 ⁻⁶ K ⁻¹)	26@20-100°C

Physical Properties

Element	Value
Density(gcm ⁻³)	1.8