

AZ31 Magnesium Disk

Formula: Mg96/Al 3/Zn 1

Thickness: 0.25mm

Diameter: 31.5mm

UOM Code: 108-647-42

SKU: 1000021348-group

Product Code: MG01-FL-000150

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