

AZ61 Magnesium Rod

Formula: Mg93/Al 6/Zn 1

Diameter: 25mm

Length: 500mm

UOM Code: 155-186-40

SKU: 1000053068-group

Product Code: MG09-RD-000140

Material Properties for Alloys

Mechanical Properties

Element	Value
Hardness - Brinell	60
Elongation at break(%)	16
Shear strength(MPa)	140
Tensile strength(MPa)	310

Electrical Properties

Element	Value
Electrical resistivity(μOhmcm)	12.5

Thermal Properties

Element	Value
Melting point(C)	525-610
Specific heat($\text{J K}^{-1} \text{kg}^{-1}$)	1050@23°C
Thermal conductivity($\text{W m}^{-1} \text{K}^{-1}$)	79.5@0°C
Coefficient of thermal expansion($\times 10^{-6} \text{K}^{-1}$)	26@20-100°C

Physical Properties

Element	Value
Density(gcm^{-3})	1.8