

AZ31 Magnesium Rod

Formula: Mg96/Al 3/Zn 1

Diameter: 11mm

Length: 1000mm

Production Method: Extruded

UOM Code: 033-730-95

SKU: 1000004379-group

Product Code: MG01-RD-000131

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