

Material: Magnesium Alloy

Model: AZ91D

Form: Casting

Physical Properties	Metric	Comment
Density	1.81 g/cc	NA
Tensile Strength, Ultimate	165 MPa	NA
Tensile Strength, Yield	97 MPa	NA
Elongation at Break	3 %	NA
Elasticity Modulus	45 GPa	NA
Shear Modulus	17 GPa	NA
CTE, Linear	26 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	NA
Thermal Conductivity	72.7 W/m-K	NA
Specific Heat Capacity	0.8 J/g $\cdot^{\circ}\text{C}$	NA