



*Delivering Engineered Solutions*

Global Manufacturing Resources | Supply Chain Management

## Mechanical properties of Magnesium alloys

Alloy	Tensile Strength (MPa)	Tensile Yield Strength (MPa)	Compressive Yield Strength (MPa)	Elongation in 50 mm	Shear Strength (MPa)	Hardness HB
AM60A, B	225	130	130	8	-	63
AM50A	210	125	113	10	-	60
AS41	215	140	140	6	-	59
AZ91C-T6	275	145	145	6	-	70
AZ91 A, B and D-F	230	150	165	3	140	63
AZ81A	275	83	83	15	145	55