

Material - ASTM B107 AZ80A

Standard Specification for Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes and Wire

Group - Non-Ferrous Magnesium Alloy

Sub Group - ASTM B107/B107M Magnesium-Alloy Extruded Bars, Rods, Profiles, Tubes and Wire

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Bar, Rod, Tube and Wire

Chemical Composition			Heat Treatment	
Aluminium	Al %	7.800 - 9.200	As-Cast or Solution Treated or Fully Treated	
Copper	Cu %	0.050 max.		
Iron	Fe %	0.005 max.		
Manganese	Mn %	0.120 - 0.500		
Nickel	Ni %	0.005 max.		
Other	Ot%	0.300 max.		
Silicon	Si %	0.100 max.		
Zinc	Zn %	0.200 - 0.800		
Magnesium	Mg %	Balance	Mechanical Properties Tensile Strength in Mpa 290 - 330 Yield Strength in Mpa 185 - 230 Elongation in % 2 - 9 Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Mg-Al8Zn	ISO	International	Bar and Wire
MBD-AZ80	JIS	Japan	Bar and Wire
MS-AZ80	JIS	Japan	Shape
MWD-AZ80	JIS	Japan	Bar and Wire
B951 AZ80A	ASTM	USA	Bar and Wire
MB3	KS	Korea	Bar
MgAl8Zn	DIN	Germany	Bar and Wire

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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