

# Material: ASTM B951 AM60B

## Standard Specification for Codification of Unalloyed Magnesium and Magnesium-Alloys, Cast and Wrought

**Group:** Non-Ferrous Magnesium Alloy

**Sub Group:** ASTM B951 Codification of Unalloyed Magnesium and Magnesium-Alloys, Cast and Wrought

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

**Grade Belongs to the Industry:** Casting

Chemical Composition		
Aluminium	Al %	5.500 - 6.500
Copper	Cu %	0.010 max.
Iron	Fe %	0.005 max.
Manganese	Mn %	0.240 - 0.600
Nickel	Ni %	0.002 max.
Other	Ot%	0.020 max.
Silicon	Si %	0.100 max.
Zinc	Zn %	0.220 max.
Magnesium	Mg %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	220 min.
Yield Strength in Mpa	130 min.
Elongation in %	8 min.
Reduction of Area in %	-
Hardness in HB	62 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AM60B	ANSI/AA	USA	Casting
B94 AM60B	ASTM	USA	Casting
B951 M10602	ASTM	USA	Casting
B275 AM60B	ASTM	USA	Casting
EN-MB21230	BDS	Bulgaria	Ingot and Casting
EN-MBMgAl6Mn	AFNOR NF	France	Ingot and Casting
EN-MB21230	DIN	Germany	Ingot and Casting

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)



+91-99090 45075



[info@icastllp.com](mailto:info@icastllp.com)



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India