



Material - ASTM B951 M10602

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			Heat Treatment	
Aluminium	Al %	5.500 - 6.500	As-Cast	
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		
-	-	-		
			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 AM60B	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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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