



## Material - ASTM B94 AM60B

### Standard Specification for Magnesium-Alloy Die Castings

Group - Non-Ferrous Magnesium Alloy

Sub Group - ASTM B94 Magnesium-Alloy Die Castings

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	<b>Mechanical Properties</b> 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
B951 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

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

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