

Material: ANSI/AA AM60B

Specification Standards for Die Castings

Group: Non-Ferrous Magnesium Alloy Sub

Group: ANSI/AA for 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	
Zinc	Zn %	0.220 max.		
Manganese	Mn %	0.240 - 0.600		
Silicon	Si %	0.100 max.		
Iron	Fe %	0.005 max.		
Copper	Cu %	0.010 max.		
Nickel	Ni %	0.002 max.		
Other	Ot%	0.020 max.		
Magnesium	Mg %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 220 min. Yield Strength in Mpa 130 min. Elongation in % 6 - 8 Reduction of Area in % - Hardness in BHN 62 min. Impact in Joule 6.1 min. @RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B94 AM60B	ASTM	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

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Customer Care: +91-99090 45075 Email: info@icastllp.com