

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		
-	-	-	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
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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