

Material: ASTM B94 AM50A

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 %	4.400 - 5.400	As-Cast	
Copper	Cu %	0.010 max.		
Iron	Fe %	0.004 max.		
Manganese	Mn %	0.260 - 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	200 min.
			Yield Strength in Mpa	110 min.
			Elongation in %	10 min.
			Reduction of Area in %	-
			Hardness in HB	58 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AM50A	ANSI/AA	USA	Casting
EN-MB21220	ONORM	Australia	Ingot and Casting
EN-MBMgAl5Mn	ONORM	Australia	Ingot and Casting
EN-MB21220	CSN	Czech Republic	Ingot and Casting
EN-MBMgAl5Mn	CSN	Czech Republic	Ingot and Casting
B275 AM50A	ASTM	USA	Casting
B951 AM50A	ASTM	USA	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