



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BDS EN 1753 EN-MB21230

Standard Specification for Magnesium Alloy Ingots and Castings

Group - Non-Ferrous Magnesium Alloy

Sub Group - BDS EN 1753 Magnesium Alloy Ingots and Castings

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	5.600 - 6.400	As-Cast	
Copper	Cu %	0.008 max.		
Iron	Fe %	0.004 max.		
Manganese	Mn %	0.230 max.		
Nickel	Ni %	0.001 max.		
Other	Ot%	0.010 max.		
Silicon	Si %	0.050 max.		
Zinc	Zn %	0.200 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 -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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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
B951 M10602	ASTM	USA	Casting
B275 AM60B	ASTM	USA	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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