



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ANSI/AA AZ81

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 %	7.000 - 8.500	As-Cast	
Zinc	Zn %	0.300 - 1.000		
Manganese	Mn %	0.170 min.		
Silicon	Si %	0.050 max.		
Iron	Fe %	0.004 max.		
Copper	Cu %	0.015 max.		
Nickel	Ni %	0.001 max.		
Other	Ot%	0.010 max.		
Magnesium	Mg %	Balance	Mechanical Properties Tensile Strength in Mpa 220 min. Yield Strength in Mpa 150 min. Elongation in % 3 min. Reduction of Area in % - Hardness in BHN 72 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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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.

ONE STOP SOLUTION FOR METAL PARTS