



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - ANSI/AA AM20

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 %	1.700 - 2.200	As-Cast	
Zinc	Zn %	0.100 max.		
Manganese	Mn %	0.500 min.		
Silicon	Si %	0.100 max.		
Iron	Fe %	0.005 max.		
Copper	Cu %	0.008 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 105 min. Elongation in % 8 - 12 Reduction of Area in % - Hardness in BHN 47 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