



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - ISO 3522 Al Mg3

### Standard Specification for Aluminium and Aluminium Alloys

Group - Non-Ferrous Aluminium Alloy

Sub Group - ISO 3522 for Aluminium and Aluminium Alloys

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Silicon	Si %	0.550 max.	As-Cast	
Iron	Fe %	0.550 max.		
Copper	Cu %	0.100 max.		
Manganese	Mn %	0.450 max.		
Magnesium	Mg %	2.500 - 3.500		
Zinc	Zn %	0.010 max.		
Titanium	Ti %	0.200 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	140 min.
-	-	-	Yield Strength in Mpa	70 min.
-	-	-	Elongation in %	3 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HBW	50 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-51000	DIN	Germany	Casting
EN AC-51000	BS	British	Casting
EN AC-51000	UNI	Italy	Casting
EN AC-51000	AFNOR NF	France	Casting
EN AC-51000	UNE	Spain	Casting
EN AC-51000	SFS	Finland	Casting
EN AC-51000	BDS	Bulgaria	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](mailto: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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