



## Material - DIN EN 1706 AC- 51200

### Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - DIN EN 1706 Aluminium and Aluminium Alloys - Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	0.100 max.	As-Cast	
Iron	Fe %	1.000 max.		
Magnesium	Mg %	8.000 - 10.500		
Manganese	Mn %	0.550 max.		
Nickel	Ni %	0.100 max.		
Silicon	Si %	2.500 max.		
Titanium	Ti %	0.200 max.		
Lead	Pb %	0.100 max.		
Tin	Sn %	0.100 max.		
Beryllium	Be %	0.005 max.		
Zinc	Zn %	1.500 max.	<b>Mechanical Properties</b> Tensile Strength in Mpa      200 min. Yield Strength in Mpa      130 min. Elongation in %      1 min. Reduction of Area in %      - Hardness in HB      70 min. Impact in Joule      -	
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Mg9	ISO	International	Casting
EN AC-51200	BS	British	Casting
EN AC-51200	ASME	USA	Casting
EN AC-51200	AFNOR NF	France	Casting
EN AC-51200	UNE	Spain	Casting
EN AC-51200	UNI	Italy	Casting
EN AC-51200	SFS	Finland	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)**

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