



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AFNOR NF EN 1706 AC-21000

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group - Non-Ferrous Aluminium Alloy

Sub Group - AFNOR NF EN 1706 Aluminium and Aluminium Alloys - Castings

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	4.200 - 5.000	As-Cast, or Solution Annealing and Aging	
Iron	Fe %	0.350 max.		
Magnesium	Mg %	0.150 - 0.350		
Manganese	Mn %	0.100 max.		
Nickel	Ni %	0.050 max.		
Silicon	Si %	0.200 max.		
Lead	Pb %	0.050 max.		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.150 - 0.300		
Zinc	Zn %	0.100 max.		
Other	Ot%	0.100 max.	Mechanical Properties Tensile Strength in Mpa 300 - 420 Yield Strength in Mpa 200 - 350 Elongation in % 3 - 18 Reduction of Area in % - Hardness in HB 90 - 120 Impact in Joule -	
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-21000	ASME	USA	Casting
EN AC-21000	DIN	Germany	Casting
EN AC-21000	UNE	Spain	Casting
EN AC-21000	SFS	Finland	Casting
EN AC-21000	MSZ	Hungary	Casting
Al Cu4MgTi	ISO	International	Casting
EN AC-21000	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

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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