



Material - UNI EN 1706 AC- 71000

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - UNI 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 %	0.150 - 0.350	As-Cast or Aging	
Iron	Fe %	0.800 max.		
Magnesium	Mg %	0.400 - 0.700		
Manganese	Mn %	0.400 max.		
Nickel	Ni %	0.050 max.		
Silicon	Si %	0.300 max.		
Titanium	Ti %	0.100 - 0.250		
Lead	Pb %	0.050 max.		
Tin	Sn %	0.050 max.		
Chromium	Cr %	0.150 - 0.600		
Zinc	Zn %	4.500 - 6.000	Mechanical Properties	
Other	Ot%	0.150 max.	Tensile Strength in Mpa	190 - 210
Aluminium	Al %	Balance	Yield Strength in Mpa	120 - 130
-	-	-	Elongation in %	4 min.
-	-	-	Reduction of Area in %	-
			Hardness in HB	60 - 62
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-71000	DIN	Germany	Casting
EN AC-71000	BS	British	Casting
Al Zn5Mg	ISO	International	Casting
EN AC-71000	AFNOR NF	France	Casting
EN AC-71000	UNE	Spain	Casting
EN AC-71000	SFS	Finland	Casting
EN AC-71000	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.