

Material: AFNOR NF EN 1706 AC- 51000

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: AFNOR NF 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 %	0.550 max.		
Magnesium	Mg %	2.500 - 3.500		
Manganese	Mn %	0.450 max.		
Silicon	Si %	0.550 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.100 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	140 - 150
			Yield Strength in Mpa	70 min.
			Elongation in %	3 - 5
			Reduction of Area in %	-
			Hardness in HB	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
Al Mg3	ISO	International	Casting
EN AC-51000	UNE	Spain	Casting
EN AC-51000	SFS	Finland	Casting
EN AC-51000	BDS	Bulgaria	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com