

Material: DIN EN 1706 AC-47000

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 %	1.000 max.	As-Cast	
Iron	Fe %	0.800 max.		
Magnesium	Mg %	0.350 max.		
Manganese	Mn %	0.050 -0.550		
Nickel	Ni %	0.300 max.		
Silicon	Si %	10.500 - 13.500		
Lead	Pb %	0.200 max.		
Tin	Sn %	0.100 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.550 max.		
Chromium	Cr %	0.100 max.	Mechanical Properties Tensile Strength in Mpa 150 - 200 Yield Strength in Mpa 80 - 90 Elongation in % 1 - 5 Reduction of Area in % - Hardness in HB - Impact in Joule -	
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Si12(Cu)	ISO	International	Casting
EN AC-47000	BS	British	Casting
EN AC-47000	ASME	USA	Casting
EN AC-47000	UNI	Italy	Casting
EN AC-47000	AFNOR NF	France	Casting
EN AC-47000	UNE	Spain	Casting
EN AC-47000	SFS	Finland	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