

Material: BS EN 1706 AC-46000

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: BS 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 %	2.000 -4.000	As-Cast	
Iron	Fe %	1.300 max.		
Magnesium	Mg %	0.050 -0.550		
Manganese	Mn %	0.550 max.		
Nickel	Ni %	0.550 max.		
Silicon	Si %	8.000 - 11.000		
Lead	Pb %	0.290 max.		
Tin	Sn %	0.150 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	1.200 max.		
Chromium	Cr %	0.150 max.	Mechanical Properties Tensile Strength in Mpa 240 min. Yield Strength in Mpa 140 - 165 Elongation in % 1 min. Reduction of Area in % - Hardness in HB 80 - 85 Impact in Joule -	
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-46000	DIN	Germany	Casting
Al Si9Cu3(Fe)	ISO	International	Casting
EN AC-46000	ASME	USA	Casting
EN AC-46000	UNI	Italy	Casting
EN AC-46000	AFNOR NF	France	Casting
EN AC-46000	UNE	Spain	Casting
EN AC-46000	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