

Material: UNI EN 1706 AC-47000

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 %	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
EN AC-47000	DIN	Germany	Casting
EN AC-47000	BS	British	Casting
EN AC-47000	ASME	USA	Casting
Al Si12(Cu)	ISO	International	Casting
EN AC-47000	AFNOR NF	France	Casting
EN AC-47000	UNE	Spain	Casting
EN AC-47000	SFS	Finland	Casting

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