

Material: ISO 3522 Al Si12Cu1(Fe)

Standard Specification for Aluminium and Aluminium Alloys

Group: Non-Ferrous Aluminium Alloy

Sub Group: ISO 3522 for Aluminium and Aluminium Alloys

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Silicon	Si %	10.500 - 13.500	As-Cast	
Iron	Fe %	1.300 max.		
Copper	Cu %	0.700 - 1.200		
Manganese	Mn %	0.550 max.		
Magnesium	Mg %	0.350 max.		
Chromium	Cr %	0.100 max.		
Nickel	Ni %	0.300 max.		
Zinc	Zn %	0.550 max.		
Lead	Pb %	0.200 max.		
Tin	Sn %	0.100 max.		
Titanium	Ti %	0.200 max.	Mechanical Properties	
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	240 min.
			Yield Strength in Mpa	140 min.
			Elongation in %	1 min.
			Reduction of Area in %	-
			Hardness in HBW	70 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-47100	DIN	Germany	Casting
EN AC-47100	BS	British	Casting
EN AC-47100	ASME	USA	Casting
EN AC-47100	UNI	Italy	Casting
EN AC-47100	AFNOR NF	France	Casting
EN AC-47100	UNE	Spain	Casting
EN AC-47100	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