

Material: ISO 3522 Al Si12CuMgNi

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 or Aging	
Iron	Fe %	0.700 max.		
Copper	Cu %	0.800 - 1.500		
Manganese	Mn %	0.350 max.		
Magnesium	Mg %	0.800 - 1.500		
Nickel	Ni %	0.700 - 1.300		
Zinc	Zn %	0.350 max.		
Titanium	Ti %	0.250 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 200 min. Yield Strength in Mpa 185 min. Elongation in % - Reduction of Area in % - Hardness in HBW 90 min. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-48000	DIN	Germany	Casting
EN AC-48000	BS	British	Casting
EN AC-48000	ASME	USA	Casting
EN AC-48000	UNI	Italy	Casting
EN AC-48000	AFNOR NF	France	Casting
EN AC-48000	UNE	Spain	Casting
EN AC-48000	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