

Material: ISO 3522 Al Si6Cu4

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 %	5.000 - 7.000	As-Cast	
Iron	Fe %	1.000 max.		
Copper	Cu %	3.000 - 5.000		
Manganese	Mn %	0.200 - 0.650		
Magnesium	Mg %	0.550 max.		
Chromium	Cr %	0.150 max.		
Nickel	Ni %	0.450 max.		
Zinc	Zn %	2.000 max.		
Lead	Pb %	0.300 max.		
Tin	Sn %	0.150 max.		
Titanium	Ti %	0.250 max.		
Other	%	0.350 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		

Mechanical Properties	
Tensile Strength in Mpa	150 min.
Yield Strength in Mpa	90 min.
Elongation in %	1 min.
Reduction of Area in %	-
Hardness in HBW	60 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-45000	DIN	Germany	Casting
EN AC-45000	BS	British	Casting
EN AC-45000	UNI	Italy	Casting
EN AC-45000	UNE	Spain	Casting
EN AC-45000	SFS	Finland	Casting
EN AC-45000	BDS	Bulgaria	Casting
EN AC-45000	CSN	Czech Republic	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