



## 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.	<b>Mechanical Properties</b> 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      -	
Other	%	0.350 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		

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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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