



## Material - ISO 3522 Al Cu4Ti

### 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 %	0.180 max.	As-Cast or Solution Anneling and Aging	
Iron	Fe %	0.190 max.		
Copper	Cu %	4.200 - 5.200		
Manganese	Mn %	0.550 max.		
Zinc	Zn %	0.070 max.		
Titanium	Ti %	0.150 - 0.300		
Other	Ot%	0.100 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	300 min.
-	-	-	Yield Strength in Mpa	200 min.
-	-	-	Elongation in %	3 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HBW	95 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-21100	ASME	USA	Casting
EN AC-21100	DIN	Germany	Casting
EN AC-21100	UNE	Spain	Casting
EN AC-21100	SFS	Finland	Casting
EN AC-21100	MSZ	Hungary	Casting
EN AC-21100	AFNOR NF	France	Casting
EN AC-21100	BDS	Bulgaria	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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