



Material - ISO 3522 Al Cu4MgTi

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 %	0.200 max.	As-Cast, or Solution Annealing and Aging	
Iron	Fe %	0.350 max.		
Copper	Cu %	4.200 - 5.000		
Manganese	Mn %	0.100 max.		
Magnesium	Mg %	0.150 - 0.350		
Nickel	Ni %	0.050 max.		
Zinc	Zn %	0.100 max.		
Lead	Pb %	0.050 max.		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.150 max.		
Other	Ot%	0.100 max.	Mechanical Properties	
Aluminium	Al %	Balance	Tensile Strength in Mpa	300 min.
-	-	-	Yield Strength in Mpa	200 min.
-	-	-	Elongation in %	5 min.
-	-	-	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-21000	ASME	USA	Casting
EN AC-21000	DIN	Germany	Casting
EN AC-21000	UNE	Spain	Casting
EN AC-21000	SFS	Finland	Casting
EN AC-21000	MSZ	Hungary	Casting
EN AC-21000	AFNOR NF	France	Casting
EN AC-21000	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

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