

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.				
Aluminium	Al %	Balance				
-	-	-			Mechanical Properties	
-	-	-	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

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