

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 -	
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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

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