

Material: DIN EN 1706 AC-Al Cu4MgTi

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: DIN EN 1706 Aluminium and Aluminium Alloys - Casting

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	4.200 - 5.000	As-Cast or Solution Annealing and Aging	
Iron	Fe %	0.350 max.		
Magnesium	Mg %	0.150 - 0.350		
Manganese	Mn %	0.100 max.		
Nickel	Ni %	0.050 max.		
Silicon	Si %	0.200 max.		
Lead	Pb %	0.050 max.		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.150 - 0.300		
Zinc	Zn %	0.100 max.		
Other	Ot%	0.100 max.		
Aluminium	Al %	Balance	Mechanical Properties Tensile Strength in Mpa 300 - 420 Yield Strength in Mpa 200 - 350 Elongation in % 3 - 18 Reduction of Area in % - Hardness in HB 90 - 120 Impact in Joule -	
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-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-Al Cu4MgTi	ASME	USA	Casting
Al Cu5MgAg	ISO	International	Casting
EN AC-Al Cu4MgTi	UNE	Spain	Casting
EN AC-Al Cu4MgTi	SFS	Finland	Casting
EN AC-Al Cu4MgTi	MSZ	Hungary	Casting
EN AC-Al Cu4MgTi	AFNOR NF	France	Casting
EN AC-Al Cu4MgTi	BDS	Bulgaria	Casting

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