

Material: BDS EN 1706 AC-21100

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group: Non-Ferrous Aluminium Alloy

Sub Group: BDS EN 1706 Aluminium and Aluminium Alloys - Castings

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	4.500 - 5.200	As-Cast or Solution Annealing and Aging	
Iron	Fe %	0.190 max.		
Manganese	Mn %	0.550 max.		
Silicon	Si %	0.180 max.		
Titanium	Ti %	0.150 - 0.300		
Zinc	Zn %	0.070 max.		
Other	Ot%	0.100 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 280 - 450 Yield Strength in Mpa 180 - 400 Elongation in % 3 - 20 Reduction of Area in % - Hardness in HB 85 - 145 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
Al Cu4Ti	ISO	International	Casting

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