

Material: UNI EN 1706 AC- 51300

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: UNI 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 %	0.100 max.	As-Cast	
Iron	Fe %	0.550 max.		
Magnesium	Mg %	4.500 - 6.500		
Manganese	Mn %	0.450 max.		
Silicon	Si %	0.550 max.		
Titanium	Ti %	0.200 max.		
Beryllium	Be %	0.005 max.		
Zinc	Zn %	0.100 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 150 - 180 Yield Strength in Mpa 80 - 100 Elongation in % 3 - 14 Reduction of Area in % - Hardness in HB 55 - 70 Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-51300	DIN	Germany	Casting
EN AC-51300	BS	British	Casting
EN AC-51300	ASME	USA	Casting
EN AC-51000	AFNOR NF	France	Casting
EN AC-51000	UNE	Spain	Casting
Al Mg5	ISO	International	Casting
EN AC-51000	SFS	Finland	Casting

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