

Material: DIN EN 1706 AC- 51200

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 %	0.100 max.	As-Cast	
Iron	Fe %	1.000 max.		
Magnesium	Mg %	8.000 - 10.500		
Manganese	Mn %	0.550 max.		
Nickel	Ni %	0.100 max.		
Silicon	Si %	2.500 max.		
Titanium	Ti %	0.200 max.		
Lead	Pb %	0.100 max.		
Tin	Sn %	0.100 max.		
Beryllium	Be %	0.005 max.		
Zinc	Zn %	1.500 max.		
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		

Mechanical Properties	
Tensile Strength in Mpa	200 min.
Yield Strength in Mpa	130 min.
Elongation in %	1 min.
Reduction of Area in %	-
Hardness in HB	70 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Mg9	ISO	International	Casting
EN AC-51200	BS	British	Casting
EN AC-51200	ASME	USA	Casting
EN AC-51200	AFNOR NF	France	Casting
EN AC-51200	UNE	Spain	Casting
EN AC-51200	UNI	Italy	Casting
EN AC-51200	SFS	Finland	Casting

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