

Material: DIN EN 1706 AC- 71000

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 %	0.150 - 0.350	As-Cast or Aging	
Iron	Fe %	0.800 max.		
Magnesium	Mg %	0.400 - 0.700		
Manganese	Mn %	0.400 max.		
Nickel	Ni %	0.050 max.		
Silicon	Si %	0.300 max.		
Titanium	Ti %	0.100 - 0.250		
Lead	Pb %	0.050 max.		
Tin	Sn %	0.050 max.		
Chromium	Cr %	0.150 - 0.600		
Zinc	Zn %	4.500 - 6.000		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		

Mechanical Properties	
Tensile Strength in Mpa	190 - 210
Yield Strength in Mpa	120 - 130
Elongation in %	4 min.
Reduction of Area in %	-
Hardness in HB	60 - 62
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Zn5Mg	ISO	International	Casting
EN AC-71000	BS	British	Casting
EN AC-71000	UNI	Italy	Casting
EN AC-71000	AFNOR NF	France	Casting
EN AC-71000	UNE	Spain	Casting
EN AC-71000	SFS	Finland	Casting
EN AC-71000	BDS	Bulgaria	Casting

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