

## Material: DIN EN 1706 AC- 71100

### 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 or Aging	
Iron	Fe %	0.450 max.		
Magnesium	Mg %	0.200 - 0.500		
Manganese	Mn %	0.450 max.		
Silicon	Si %	7.500 - 9.500		
Titanium	Ti %	0.150 max.		
Zinc	Zn %	9.000 - 10.500		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	210 - 260
			Yield Strength in Mpa	190 - 220
			Elongation in %	1 - 3
			Reduction of Area in %	-
			Hardness in HB	80 - 100
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Zn10Si8Mg	ISO	International	Casting
EN AC- 71100	BS	British	Casting
EN AC- 71100	ASME	USA	Casting
EN AC- 71100	AFNOR NF	France	Casting
EN AC- 71100	UNE	Spain	Casting
EN AC-71100	UNI	Italy	Casting
EN AC-71100	SFS	Finland	Casting

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**Customer Care:** +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)