



## 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

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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