



## Material - AFNOR NF EN 1706 AC- 71100

### Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - AFNOR NF 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		
-	-	-	<b>Mechanical Properties</b> 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                 -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC- 71100	DIN	Germany	Casting
EN AC- 71100	BS	British	Casting
EN AC- 71100	ASME	USA	Casting
Al Zn10Si8Mg	ISO	International	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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