



## Material - SFS EN 1706 AC-48100

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

Group - Non-Ferrous Aluminium Alloy

Sub Group - SFS 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 %	4.000 - 5.000	As-Cast	
Iron	Fe %	1.300 max.		
Magnesium	Mg %	0.250 - 0.650		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.300 max.		
Silicon	Si %	16.000 - 18.000		
Tin	Sn %	0.150 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	1.500 max.		
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
Mechanical Properties				
Tensile Strength in Mpa		200 - 295		
Yield Strength in Mpa		160 - 260		
Elongation in %		1 min.		
Reduction of Area in %		-		
Hardness in HB		75 min.		
Impact in Joule		-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-48100	DIN	Germany	Casting
EN AC-48100	ASME	USA	Casting
EN AC-48100	UNI	Italy	Casting
EN AC-48100	AFNOR NF	France	Casting
EN AC-48100	UNE	Spain	Casting
B 390	AA	USA	Casting
EN AC-48100	MSZ	Hungary	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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