

## Material: DIN EN 1706 AC- 51300

### 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			
Iron	Fe %	0.550 max.				
Magnesium	Mg %	4.500 - 6.500				
Manganese	Mn %	0.450 max.				
Silicon	Si %	0.550 max.				
Titanium	Ti %	0.200 max.				
Beryllium	Be %	0.005 max.				
Zinc	Zn %	0.100 max.				
Other	Ot%	0.150 max.				
Aluminium	Al %	Balance				
-	-	-	<b>Mechanical Properties</b>			
-	-	-			Tensile Strength in Mpa	150 - 180
-	-	-			Yield Strength in Mpa	80 - 100
-	-	-			Elongation in %	3 - 14
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in HB	55 - 70
-	-	-			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Mg5	ISO	International	Casting
EN AC-51300	BS	British	Casting
EN AC-51300	ASME	USA	Casting
EN AC-51000	AFNOR NF	France	Casting
EN AC-51000	UNE	Spain	Casting
EN AC-51000	UNI	Italy	Casting
EN AC-51000	SFS	Finland	Casting

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