

# Material: AFNOR NF EN 1706 AC-51300

## Standard Specification for Aluminium Alloy and Aluminium Alloys

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** AFNOR NF EN 1706 Aluminium Alloy and Aluminium Alloys

**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	
Magnesium	Mg %	4.500 - 6.500		
Silicon	Si %	0.550 max.		
Iron	Fe %	0.550 max.		
Manganese	Mn %	0.450 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.100 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-		
			Mechanical Properties	
			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
LM5	BS	British	Ingot and Casting
5230	IS	India	Casting
EN AC-51300	DIN	Germany	Ingot and Casting
EN AC-51300	ONORM	Australia	Ingot and Casting
EN AC-51300	EN	European Union	Ingot and Casting
EN AC-51300	BDS	Bulgaria	Ingot and Casting
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