

Material: EN 1706 BDS AC-51300

Standard Specification for Aluminium Alloy and Aluminium Alloys

Group: Non-Ferrous Aluminium Alloy

Sub Group: 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 %	4.300 - 6.800				
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.				
Beryllium	Be %	0.005 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	AFNOR NF	France	Ingot and Casting
EN AC-51300	EN	European Union	Ingot and Casting
EN AC-51300	DIN	Germany	Ingot and Casting
EN AC-51300	ONORM	Australia	Ingot and Casting
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