

Material: UNI EN 1706 AC- 51400

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: UNI 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		
Copper	Cu %	0.050 max.
Iron	Fe %	0.550 max.
Magnesium	Mg %	4.500 - 6.500
Manganese	Mn %	0.450 max.
Silicon	Si %	1.500 max.
Titanium	Ti %	0.200 max.
Beryllium	Be %	0.005 max.
Zinc	Zn %	0.100 max.
Other	Ot%	0.150 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast	

Mechanical Properties	
Tensile Strength in Mpa	160 - 180
Yield Strength in Mpa	100 - 110
Elongation in %	3 min.
Reduction of Area in %	-
Hardness in HB	60 - 65
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-51400	DIN	Germany	Casting
EN AC-51400	BS	British	Casting
EN AC-51400	ASME	USA	Casting
EN AC-51400	AFNOR NF	France	Casting
EN AC-51400	UNE	Spain	Casting
Al Mg5(Si)	ISO	International	Casting
EN AC-51400	SFS	Finland	Casting

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