Material: ANSI/AA B390

Standard Specification for Aluminium Alloy for General Engineering and Light-Weight Structural Purpose

Group: *Non-Ferrous Alumium Alloy*
Sub Group: *ANSI/AA Aluminium Alloy for General Engineering and Light-Weight Structural Purpose*
Application: *Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade*
Belongs to the Industry: *Casting*

Chemical Composition		
Silicon	Si %	16.000 - 18.000
Iron	Fe %	1.300 max.
Copper	Cu %	4.000 - 5.000
Magnesium	Mg %	0.450 - 0.650
Manganese	Mn %	0.500 max.
Nickel	Ni %	0.100 max.
Zinc	Zn %	1.500 max.
Titanium	Ti %	0.100 max.
Other	Ot%	0.200 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	317 min.
Yield Strength in Mpa	248 min
Elongation in %	1 max.
Reduction of Area in %	-
Hardness in BHN	120 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
EN AC-48100	SFS	Finland	Casting
EN AC-48100	MSZ	Hungary	Casting

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