Material: ANSI/AA 384

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 %	10.500 - 12.000
Iron	Fe %	1.300 max.
Copper	Cu %	3.000 - 4.500
Magnesium	Mg %	0.100 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	0.500 max.
Zinc	Zn %	3.000 max.
Tin	Sn %	0.350 max.
Other	Ot%	0.500 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	331 min.
Yield Strength in Mpa	165 min
Elongation in %	2.5 min.
Reduction of Area in %	-
Hardness in BHN	85 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
B 275 384.0	ASTM	USA	Casting
AA315	AS	Australia	Ingots and Casting
A03840	UNS	USA	Ingots and Casting
A03840	SAE	USA	Ingots and Casting
384.0	NBR	Brazil	Casting
384.0	NMX	Maxico	Casting
B 85 SC114A	ASTM	USA	Casting

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