

Material: ANSI AA 380.0

Standard Specification for Aluminium and Aluminium Alloys Ingot and Casting for General Engineering Purposes

Group: Non-Ferrous Aluminum Alloy

Sub Group: ANSI AA 380.0 Aluminium and Aluminium Alloys - Ingot and Casting for General Engineering Purposes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Ingot and Casting

Chemical Composition		
Copper	Cu %	3.000 - 4.000
Magnesium	Mg %	0.100 max.
Silicon	Si %	7.500 - 9.500
Iron	Fe %	2.000 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	0.500 max.
Tin	Sn %	0.350 max.
Zinc	Zn %	3.000 max.
Other	Ot%	0.150 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
	As-Cast

Mechanical Properties	
Tensile Strength in Mpa	330 min.
Yield Strength in Mpa	165 min.
Elongation in %	3 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM24	BS	British	Ingot and Casting
4420	IS	India	Ingot and Casting
AS313	AS	Australia	Ingot and Casting
BB325	AS	Australia	Ingot and Casting
CA313	AS	Australia	Ingot and Casting
ADC10Z	JIS	Japan	Ingot and Casting
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