

# Material: ANSI AA A384.0

## Standard Specification for Aluminium and Aluminium Alloys Ingot and Casting

**Group:** Non-Ferrous Aluminum Alloy

**Sub Group:** ANSI AA A384.0 Aluminium and Aluminium Alloys - Ingot and Casting

**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 - 4.500
Magnesium	Mg %	0.100 max.
Silicon	Si %	10.500 - 12.000
Iron	Fe %	1.300 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	0.500 max.
Zinc	Zn %	1.000 max.
Tin	Sn %	0.350 max.
Other	Ot%	0.500 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	140 min.
Yield Strength in Mpa	-
Elongation in %	1 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM27	BS	British	Ingot and Casting
AS315	AS	Australia	Ingot and Casting
AA315	AS	Australia	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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