

Material: ANSI AA A357.0

Standard Specification for Aluminium and Aluminium Alloys Ingot and Casting

Group: Non-Ferrous Aluminum Alloy

Sub Group: ANSI AA A357.0 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 %	0.200 max.
Magnesium	Mg %	0.400 - 0.700
Silicon	Si %	6.500 - 7.500
Iron	Fe %	0.200 max.
Manganese	Mn %	0.100 max.
Beryllium	Be %	0.040 - 0.070
Titanium	Ti %	0.040 - 0.200
Zinc	Zn %	0.100 max.
Other	Ot%	0.150 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	310 min.
Yield Strength in Mpa	250 min.
Elongation in %	3 min.
Reduction of Area in %	-
Hardness in HB	85 - 115
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM25	BS	British	Ingot and Casting
AA601	AS	Australia	Ingot and Casting
AA603	AS	Australia	Ingot and Casting
AC601	AS	Australia	Ingot and Casting
AC603	AS	Australia	Ingot and Casting
AP601	AS	Australia	Ingot and Casting
AP603	AS	Australia	Ingot and Casting

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