



## Material - AS 1874 AC601

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

Group - Non-Ferrous Aluminium Alloy

Sub Group - AS 1874 AA601 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			Heat Treatment	
Copper	Cu %	0.050 max.	As-Cast	
Magnesium	Mg %	0.300 - 0.400		
Silicon	Si %	6.500 - 7.500		
Iron	Fe %	0.200 max.		
Manganese	Mn %	0.050 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.050 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	130 - 260
			Yield Strength in Mpa	-
			Elongation in %	2 - 5
			Reduction of Area in %	-
			Hardness in BHN	-
			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
AC603	AS	Australia	Ingot and Casting
AP601	AS	Australia	Ingot and Casting
AP603	AS	Australia	Ingot and Casting
A357.0	AA	USA	Ingot and Casting

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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