



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - AS 1874 AA307

**Standard Specification for Aluminium and Aluminium Alloy - Ingot and Castings**

**Group - Non-Ferrous Aluminium Alloy**

**Sub Group - AS 1874 Aluminium and Aluminium Alloy - Ingot and Castings**

**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 %	0.700 - 2.500	As-Cast	
Iron	Fe %	1.000 max.		
Magnesium	Mg %	0.300 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Lead	Pb %	0.350 max.		
Silicon	Si %	9.000 - 11.500		
Tin	Sn %	0.250 max.		
Zinc	Zn %	2.000 max.		
Chromium	Cr %	0.100 max.		
Titanium	Ti %	0.200 max.	Mechanical Properties	
Other	Ot%	0.200 max.	Tensile Strength in Mpa	-
Aluminium	Al %	Balance	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM2	BS	British	Ingot and Casting
307	AS	Australia	Ingot and Casting
4520	IS	India	Ingot and Casting
ADC12	JIS	Japan	Ingot and Casting
ADC12Z	JIS	Japan	Ingot and Casting
383	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)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**