



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AS 1874 AS 315

Standard Specification for Aluminium and Aluminium Alloys Ingot and Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - AS 1874 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 %	3.000 - 4.500	As-Cast	
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.		
Lead	Pb %	0.250 max.		
Tin	Sn %	0.350 max.		
Titanium	Ti %	0.200 max.		
Chromium	Cr %	0.100 max.	Mechanical Properties	
Other	Ot%	0.200 max.	Tensile Strength in Mpa	140 min.
Aluminium	Al %	Balance	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
AA315	AS	Australia	Ingot and Casting
A384.0	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

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