



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AS 1874 319

Standard Specification for Aluminium and Aluminium Alloys - Ingots and Castings

Group - Non-Ferrous Aluminium Alloy

Sub Group - AS 1874 Aluminium and Aluminium Alloys - Ingots 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 %	0.800 - 1.300	As-Cast	
Iron	Fe %	0.700 max.		
Magnesium	Mg %	0.800 - 1.300		
Manganese	Mn %	0.350 max.		
Nickel	Ni %	1.000 - 2.500		
Lead	Pb %	0.150 max.		
Silicon	Si %	11.000 - 13.000		
Tin	Sn %	0.200 max.		
Titanium	Ti %	0.200 max.		
Chromium	Cr %	0.100 max.		
Zinc	Zn %	0.250 max.	Mechanical Properties Tensile Strength in Mpa 215 min. Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB - Impact in Joule -	
Other	Other %	0.200 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AC8A	JIS	Japan	Casting
A-S12UN	AFNOR NF	France	Casting
AA319	AS	Australia	Ingot and Casting
LM13	BS	British	Ingot and Casting
Alsi12NiCuMg	CSN	Czech Republic	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