



Material - AS 1874 BS401

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 %	0.150 max.	As-Cast	
Iron	Fe %	0.600 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.100 max.		
Lead	Pb %	0.150 max.		
Silicon	Si %	11.000 - 13.000		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.200 max.		
Chromium	Cr %	0.100 max.		
Zinc	Zn %	0.150 max.	Mechanical Properties Tensile Strength in Mpa 160 - 190 Yield Strength in Mpa 55 - 69 Elongation in % - Reduction of Area in % - Hardness in BHN - Impact in Joule -	
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM6	BS	British	Ingot and Casting
CA401	AS	Australia	Ingot and Casting
CB401	AS	Australia	Ingot and Casting
CC401	AS	Australia	Ingot and Casting
B413.0	AA	USA	Casting
4600	IS	India	Ingot and Casting
ADC 2	JIS	Japan	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.