



Material - IS 617 4600

Standard Specification for Aluminium and Aluminium Alloy Ingots and Castings for Group - Non-Ferrous Aluminium Alloy

Sub Group - IS 617 Aluminium and Aluminium Alloy Ingots and Castings for General Engineering Purposes

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 %	0.100 max.	As-Cast	
Iron	Fe %	0.600 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.100 max.		
Silicon	Si %	10.000 - 13.000		
Lead	Pb %	0.100 max.		
Tin	Sn %	0.050 max.		
Zinc	Zn %	0.100 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 160 - 190 Yield Strength in Mpa 55 - 69 Elongation in % 5 - 7 Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
BS401	AS	Australia	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
LM6	BS	British	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

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