



Material - JIS H 5302 ADC10Z

Standard Specification for Aluminium Alloy Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - JIS H 5302 Aluminium Alloy Casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	2.000 - 4.000	As-Cast	
Magnesium	Mg %	0.300 max.		
Silicon	Si %	7.500 - 9.500		
Iron	Fe %	1.300 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Tin	Sn %	0.200 max.		
Lead	Pb %	0.200 max.		
Titanium	Ti %	0.300 max.		
Zinc	Zn %	3.000 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	180 min.
			Yield Strength in Mpa	-
			Elongation in %	1.5 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM24	BS	British	Ingot and Casting
4420	IS	India	Ingot and Casting
AS313	AS	Australia	Ingot and Casting
BB325	AS	Australia	Ingot and Casting
CA313	AS	Australia	Ingot and Casting
380.0	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.