



Material - JIS H 5302 ADC5

Standard Specification for Aluminium Alloys for Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - JIS H 5302 Aluminium Alloys for Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	0.200 max.	As-Cast	
Iron	Fe %	1.800 max.		
Magnesium	Mg %	4.000 - 8.500		
Manganese	Mn %	0.300 max.		
Nickel	Ni %	0.100 max.		
Silicon	Si %	0.300 max.		
Tin	Sn %	0.100 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	0.100 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	310 min.
-	-	-	Yield Strength in Mpa	190 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B275 G8A	ASTM	USA	Casting
B85 G8A	ASTM	USA	Casting
B275 518.0	ASTM	USA	Casting
B85 518.0	ASTM	USA	Casting
A05180	UNS	USA	Casting
518.0	SAE	USA	Casting
218	AA	USA	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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