

## 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				
-	-	-	<b>Mechanical Properties</b>			
-	-	-			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

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

**Customer Care:** +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)