

Material: JIS H 5302 ADC 8

Standard Specification for Aluminium alloy for Castings

Group: Non-Ferrous Aluminium Alloy

Sub Group: JIS H 5302 Aluminium alloy for Castings

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	3.000 - 5.000	As-Cast	
Iron	Fe %	1.300 max.		
Magnesium	Mg %	0.300 max.		
Manganese	Mn %	0.200 - 0.600		
Nickel	Ni %	0.300 max.		
Silicon	Si %	5.000 - 7.000		
Lead	Pb %	0.200 max.		
Tin	Sn %	0.100 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	2.000 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	165 min.
			Yield Strength in Mpa	-
			Elongation in %	-
			Reduction of Area in %	-
			Hardness in HB	70 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM21	BS	British	Casting
CA327	AS	Australia	Ingot and Casting
319.0	AA	USA	Ingot and Casting
308.0	AA	USA	Ingot and Casting
B 108 308.0	ASTM	USA	Casting
SB-108 308.0	ASME	USA	Casting
A03080	UNS	USA	Casting

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