

# Material: JIS H 5302 Al Si11Cu3(Fe)

## 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 %	1.500 - 3.500	As-Cast	
Iron	Fe %	1.300 max.		
Magnesium	Mg %	0.350 max.		
Manganese	Mn %	0.060 max.		
Nickel	Ni %	0.450 max.		
Silicon	Si %	9.600 - 12.000		
Lead	Pb %	0.250 max.		
Tin	Sn %	0.250 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	1.700 max.		
Aluminium	Al %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      240 min. Yield Strength in Mpa      140 min. Elongation in %      - Reduction of Area in %      - Hardness in HB      80 min. Impact in Joule      -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AA307	AS	Australia	Ingot and Casting
307	AS	Australia	Ingot and Casting
4520	IS	India	Ingot and Casting
ADC12	JIS	Japan	Ingot and Casting
ADC12Z	JIS	Japan	Ingot and Casting
383.0	AA	USA	Ingot and Casting
Al Si11Cu3(Fe)	ISO	International	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)**