



Material - AS 1874 AA335

Standard Specification for Aluminium and Aluminium Alloys - Ingot and Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - AS 1874 Aluminium and Aluminium Alloys - Ingot and Casting

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

Grade Belongs to the Industry - Ingot and Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	1.500 - 3.500	As-Cast	
Iron	Fe %	0.900 max.		
Magnesium	Mg %	0.300 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Lead	Pb %	0.250 max.		
Silicon	Si %	9.000 - 11.500		
Tin	Sn %	0.200 max.		
Titanium	Ti %	0.200 max.		
Zinc	Zn %	1.000 max.		
Other	Ot%	0.200 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		

Mechanical Properties	
Tensile Strength in Mpa	310 min.
Yield Strength in Mpa	150 min.
Elongation in %	3.5 min.
Reduction of Area in %	-
Hardness in HB	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B 275 383.0	ASTM	USA	Casting
383	AA	USA	Casting
A03830	UNS	USA	Ingot and Casting
A03830	SAE	USA	Ingot and Casting
383.0	NBR	Brazil	Casting
383.0	NMX	Maxico	Casting
SC102A	ASTM	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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