

Material: ANSI/AA 380

Standard Specification for Aluminium Alloy for General Engineering and Light-Weight Structural Purpose

Group: Non-Ferrous Aluminium Alloy

Sub Group: ANSI/AA Aluminium Alloy for General Engineering and Light-Weight Structural Purpose

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Silicon	Si %	7.500 - 9.500	As-Cast	
Iron	Fe %	2.000 max.		
Copper	Cu %	3.000 - 4.000		
Magnesium	Mg %	0.300 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Zinc	Zn %	3.000 max.		
Tin	Sn %	0.350 max.		
Other	Ot%	0.500 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 317 min. Yield Strength in Mpa 159 min Elongation in % 3.5 min. Reduction of Area in % - Hardness in BHN 80 min. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A03800	UNS	USA	Casting
B 275 380.0	ASTM	USA	Casting
A 275 SC84B	ASTM	USA	Casting
B 85 380.0	ASTM	USA	Casting
B 85 SC84B	ASTM	USA	Casting
A03800	SAE	USA	Casting
380.0	NBR	Brazil	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