

## Material: UNS A03800

### Standard Specification for Aluminium and Aluminium Alloy - Ingot and Casting

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** UNS Aluminium and Aluminium Alloy - 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 %	3.000 - 4.000	As-Cast	
Iron	Fe %	2.000 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Silicon	Si %	7.500 - 9.500		
Tin	Sn %	0.350 max.		
Zinc	Zn %	3.000 max.		
Other	Ot%	0.500 max.		
Aluminium	Al %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      315 min. Yield Strength in Mpa      160 min. Elongation in %      2.5 min. Reduction of Area in %      - Hardness in HB      - Impact in Joule      -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
380	AA	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](mailto:info@icastllp.com)