

# Material: NBR 15975 380.0

## Standard Specification for Aluminium Alloys for Casting

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** NBR 15975 Aluminium Alloys for Casting

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

**Belongs to the Industry:** Casting

Chemical Composition		
Copper	Cu %	3.000 - 4.000
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
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
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	AA	USA	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)