



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - ASTM A275 SC84B

**Standard Practice for Codification of Certain Nonferrous Metals and Alloys, Cast and Wrought**

**Group - Non-Ferrous Aluminium Alloy**

**Sub Group - ASTM B275 Codification of Certain Nonferrous Metals and Alloys, Cast and Wrought**

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

**Grade Belongs to the Industry - 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      -	
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A03800	UNS	USA	Casting
B 275 380.0	ASTM	USA	Casting
380	AA	USA	Casting
B 85 380.0	ASTM	USA	Casting
B 85 SC84B	ASTM	USA	Casting
A03800	SAE	USA	Casting
380.0	NBR	Brazil	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](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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