



## Material - ASTM B85 SG100B

### Standard Specification for Aluminium Alloys for Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - ASTM B85/B85M Aluminium Alloys for Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	0.600 max.	As-Cast	
Iron	Fe %	2.000 max.		
Magnesium	Mg %	0.400 - 0.600		
Manganese	Mn %	0.350 max.		
Nickel	Ni %	0.500 max.		
Silicon	Si %	9.000 -10.000		
Tin	Sn %	0.150 max.		
Zinc	Zn %	0.500 max.		
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      305 min. Yield Strength in Mpa      170 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
A03600	UNS	USA	Casting
B 275 360.0	ASTM	USA	Casting
A 275 SG100B	ASTM	USA	Casting
B 85 360.0	ASTM	USA	Casting
360	AA	USA	Casting
A03600	SAE	USA	Casting
360.0	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)**

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