

Material - ASTM B275 SG100B

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 %	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.	Mechanical Properties	
Aluminium	Al %	Balance	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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
A03600	UNS	USA	Casting
B 275 360.0	ASTM	USA	Casting
360	AA	USA	Casting
B 85 360.0	ASTM	USA	Casting
B 85 SG100B	ASTM	USA	Casting
A03600	SAE	USA	Casting
360.0	NBR	Brazil	Casting

For any further inquiries, please do not hesitate to contact us. You may visit our website at AMTECH TECHNOCAST PVT. LTD., call us at [+91 9879817994](tel:+919879817994), or email us at manish@amtechtechnocast.com

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