

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		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			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
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

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