

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	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
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

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