

Material: ASTM B85 SC114A

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 %	3.000 - 4.506	As-Cast	
Iron	Fe %	1.300 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Silicon	Si %	10.500 - 12.000		
Tin	Sn %	0.350 max.		
Zinc	Zn %	3.000 max.		
Other	Ot%	0.500 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Tensile Strength in Mpa	330 min.
			Yield Strength in Mpa	165 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
B 275 383.0	ASTM	USA	Casting
AA335	AS	Australia	Ingot and Casting
A03830	UNS	USA	Ingot and Casting
A03830	SAE	USA	Ingot and Casting
383.0	NBR	Brazil	Casting
383.0	NMX	Maxico	Casting
384	AA	USA	Casting

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