

Material: ASTM B275 CG100A

Standard Practice for Codification of Certain Nonferrous Metals and Alloys, Cast and

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 %	9.200 - 10.700	As-Cast	
Iron	Fe %	1.500 max.		
Magnesium	Mg %	0.150 - 0.350		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Silicon	Si %	2.000 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.800 max.		
Other	Ot%	0.350 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 160 - 275 Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HB 65 - 155 Impact in Joule -	
-	-	-		
-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SB-26 222.0	ASME	USA	Casting
222.0	AA	USA	Ingot and Casting
LM12	BS	British	Ingot and Casting
A02220	UNS	USA	Casting
L-2110	UNE	Spain	Casting
2550	IS	India	Ingot and Casting
A02220	SAE	USA	Casting

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