

Material: ASTM B275 S12B

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 %	1.000 max.	As-Cast	
Iron	Fe %	2.000 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.350 max.		
Nickel	Ni %	0.500 max.		
Silicon	Si %	11.000 - 13.000		
Tin	Sn %	0.150 max.		
Zinc	Zn %	0.500 max.		
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 295 min. Yield Strength in Mpa 145 min. Elongation in % 2.5 min. Reduction of Area in % - Hardness in HB - Impact in Joule -	
-	-	-		
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
13	AA	USA	Casting
A04130	UNS	USA	Casting
A04130	SAE	USA	Casting
B85 S12B	ASTM	USA	Casting
413.0	NBR	Brazil	Casting
413.0	NMX	Maxico	Casting
413.0	SAE	USA	Casting

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