

Material: SAE J 452 A02220

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: SAE J 452 Aluminium and Aluminium Alloys - Casting

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	100 - 155
-	-	-			Impact in Joule	-

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
B 275 CG100A	ASTM	USA	Casting
A02220	UNS	USA	Casting
L-2110	UNE	Spain	Casting
2550	IS	India	Ingot and Casting
LM12	BS	British	Ingot and Casting

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