

Material: UNS A04430

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: UNS 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 %	0.600 max.	As-Cast			
Iron	Fe %	0.800 max.				
Magnesium	Mg %	0.050 max.				
Manganese	Mn %	0.500 max.				
Chromium	Cr %	0.250 max.				
Silicon	Si %	4.500 - 6.000				
Titanium	Ti %	0.250 max.				
Zinc	Zn %	0.500 max.				
Other	Ot%	0.350 max.				
Aluminium	Al %	Balance				
-	-	-	Mechanical Properties			
-	-	-			Tensile Strength in Mpa	145 min.
-	-	-			Yield Strength in Mpa	49 min.
-	-	-			Elongation in %	2 min.
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in HB	45 min.
-	-	-			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
B179 443.1	ASTM	USA	Casting
B275 443.1	ASTM	USA	Casting
A04431	UNS	USA	Casting
43	AA	USA	Casting
SB-108 AA3.0	ASME	USA	Casting
A413.0	NBR	Brazil	Casting
A413.0	NMX	Mexico	Casting

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