

Material: ASTM B179 443.1

Standard Specification for Aluminum Alloys in Ingot and Molten Forms for Casting from All Casting Processes

Group: Non-Ferrous Aluminium Alloy

Sub Group: ASTM B179 Aluminum Alloys in Ingot and Molten Forms for Casting from All Casting Processes

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 %	0.600 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
43	AA	USA	Casting
B275 443.1	ASTM	USA	Casting
A04431	UNS	USA	Casting
A04430	UNS	USA	Casting
SB-108 AA3.0	ASME	USA	Casting
A413.0	NBR	Brazil	Casting
A413.0	NMX	Maxico	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com