



Material - ASTM B179 443.1

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

Group - Non-Ferrous Aluminum 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 -	
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-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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