

Material: ANSI AA 393.0

Standard Specification for Aluminium and Aluminium Alloys Ingot and Casting for General Engineering Purposes

Group: Non-Ferrous Aluminium Alloy

Sub Group: ANSI AA 393.0 Aluminium and Aluminium Alloys Ingot and Casting for General Engineering Purposes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Ingot and Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	0.700 - 1.100	As-Cast	
Magnesium	Mg %	0.700 - 1.300		
Silicon	Si %	21.000 - 23.000		
Iron	Fe %	1.300 max.		
Manganese	Mn %	0.100 max.		
Nickel	Ni %	2.000 - 2.500		
Zinc	Zn %	0.100 max.		
Titanium	Ti %	0.100 - 0.200		
Vanadium	V %	0.080 - 0.150	Mechanical Properties	
Aluminium	Al %	Balance	Tensile Strength in Mpa	120 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	100 - 140
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM29	BS	British	Ingot and Casting
4928-B	IS	India	Casting
A039300	UNS	USA	Casting
393.0	NBR	Brazil	Casting
Vanasil	AA	USA	Casting
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