

Material: ANSI AA A413.0

Standard Specification for Aluminium and Aluminium Alloys Ingot and Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: ANSI AA A413.0 Aluminium and Aluminium Alloys - Ingot and Casting

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 %	1.000 max.	As-Cast	
Magnesium	Mg %	0.100 max.		
Silicon	Si %	11.000 - 13.000		
Iron	Fe %	1.300 max.		
Manganese	Mn %	0.350 max.		
Nickel	Ni %	0.500 max.		
Tin	Sn %	0.150 max.		
Zinc	Zn %	0.500 max.		
Other	Ot%	0.250 max.		
Aluminium	Al %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	190 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AS401	AS	Australia	Ingot and Casting
DA401	AS	Australia	Ingot and Casting
AlSi12 (Fe)	ISO	International	Casting
ADC12	JIS	Japan	Casting
LM20	BS	British	Ingot and Casting
A413.0	NBR	Brazil	Ingot and Casting
A413.0	NMX	Maxico	Ingot and Casting

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