

Material: AS 1874 CA313

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

Group: Non-Ferrous Aluminium Alloy

Sub Group: AS 1874 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 %	3.000 - 4.000	As-Cast	
Magnesium	Mg %	0.300 max.		
Silicon	Si %	7.500 - 9.500		
Iron	Fe %	1.300 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.500 max.		
Tin	Sn %	0.250 max.		
Zinc	Zn %	3.000 max.		
Titanium	Ti %	0.200 max.		
Chromium	Cr %	0.100 max.		
Lead	Pb %	0.350 max.	Mechanical Properties	
Other	Ot%	0.200 max.	Tensile Strength in Mpa	180 min.
Aluminium	Al %	Balance	Yield Strength in Mpa	-
-	-	-	Elongation in %	1.5 min.
-	-	-	Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM24	BS	British	Ingot and Casting
4420	IS	India	Ingot and Casting
AS313	AS	Australia	Ingot and Casting
BB325	AS	Australia	Ingot and Casting
ADC10Z	JIS	Japan	Ingot and Casting
380.0	AA	USA	Ingot and Casting
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