

Material: AS 1874 BA701

Standard Specification for Aluminium and Aluminium Alloys - Ingot and Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: AS 1874 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 %	0.150 max.	As-Cast	
Iron	Fe %	0.500 max.		
Magnesium	Mg %	0.500 - 0.700		
Manganese	Mn %	0.150 max.		
Silicon	Si %	0.250 max.		
Titanium	Ti %	0.150 - 0.250		
Zinc	Zn %	4.800 - 5.700		
Chromium	Cr %	0.400 - 0.600		
Nickel	Ni %	0.100 max.		
Lead	Pb %	0.050 max.		
Tin	Sn %	0.050 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		

Mechanical Properties	
Tensile Strength in Mpa	215 min.
Yield Strength in Mpa	-
Elongation in %	4 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM31	BS	British	Ingot and Casting
712.0	AA	USA	Casting
Al Zn5Mg	ISO	International	Ingot and Casting
712.0	SAE	USA	Casting
L-2710	UNE	Spain	Ingot and Casting
B-26 712.0	ASTM	USA	Casting
A-Z5G	AFNOR NF	France	Ingot and Casting

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