

Material: AS 1874 AS 315

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 %	3.000 - 4.500	As-Cast															
Magnesium	Mg %	0.100 max.																
Silicon	Si %	10.500 - 12.000																
Iron	Fe %	1.300 max.																
Manganese	Mn %	0.500 max.																
Nickel	Ni %	0.500 max.																
Zinc	Zn %	1.000 max.																
Lead	Pb %	0.250 max.																
Tin	Sn %	0.350 max.																
Titanium	Ti %	0.200 max.			<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>140 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>-</td> </tr> <tr> <td>Elongation in %</td> <td>1 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in BHN</td> <td>-</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	140 min.	Yield Strength in Mpa	-	Elongation in %	1 min.	Reduction of Area in %	-	Hardness in BHN	-
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Hardness in BHN	-																	
Impact in Joule	-																	
Chromium	Cr %	0.100 max.																
Other	Ot%	0.200 max.																
Aluminium	Al %	Balance																
-	-	-																
-	-	-																

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
LM27	BS	British	Ingot and Casting
AA315	AS	Australia	Ingot and Casting
A384.0	AA	USA	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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