

## Material: AS 1874 AA339

### Standard Specification for Aluminium and Aluminium Alloy - Ingot and Castings

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** AS 1874 Aluminium and Aluminium Alloy - Ingot and Castings

**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 %	2.000 - 4.000	As-Cast															
Iron	Fe %	0.800 max.																
Magnesium	Mg %	0.500 max.																
Nickel	Ni %	0.300 max.																
Lead	Pb %	0.150 max.																
Silicon	Si %	5.000 - 7.000																
Tin	Sn %	0.200 max.																
Zinc	Zn %	1.000 max.																
Chromium	Cr %	0.100 max.																
Titanium	Ti %	0.200 max.																
Other	Ot%	0.200 max.																
Aluminium	Al %	Balance																
-	-	-			<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>135 - 275</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	135 - 275	Yield Strength in Mpa	-	Elongation in %	1 min.	Reduction of Area in %	-	Hardness in BHN	-
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AA303	AS	Australia	Ingot and Casting
LM4	BS	British	Ingot and Casting
303	AS	Australia	Ingot and Casting
4223	IS	India	Ingot and Casting
L-2610	UNE	Spain	Ingot and Casting
-	-	-	-
-	-	-	-

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