



Material - UNE EN 1706 AC- 71100

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - UNE EN 1706 Aluminium and Aluminium Alloys - Casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment															
Copper	Cu %	0.100 max.	As-Cast or Aging															
Iron	Fe %	0.450 max.																
Magnesium	Mg %	0.200 - 0.500																
Manganese	Mn %	0.450 max.																
Silicon	Si %	7.500 - 9.500																
Titanium	Ti %	0.150 max.																
Zinc	Zn %	9.000 - 10.500																
Other	Ot%	0.150 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>210 - 260</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>190 - 220</td> </tr> <tr> <td>Elongation in %</td> <td>1 - 3</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in HB</td> <td>80 - 100</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	210 - 260	Yield Strength in Mpa	190 - 220	Elongation in %	1 - 3	Reduction of Area in %	-	Hardness in HB	80 - 100	Impact in Joule	-
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC- 71100	DIN	Germany	Casting
EN AC- 71100	BS	British	Casting
EN AC- 71100	ASME	USA	Casting
EN AC- 71100	AFNOR NF	France	Casting
Al Zn10Si8Mg	ISO	International	Casting
EN AC-71100	UNI	Italy	Casting
EN AC-71100	SFS	Finland	Casting

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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