

Material: SFS EN 1706 AC-48000

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: SFS 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 %	0.800 - 1.500	As-Cast or Aging													
Iron	Fe %	0.700 max.														
Magnesium	Mg %	0.800 - 1.500														
Manganese	Mn %	0.350 max.														
Nickel	Ni %	0.700 - 1.300														
Silicon	Si %	10.500 - 13.500														
Titanium	Ti %	0.250 max.														
Zinc	Zn %	0.350 max.														
Other	Ot%	0.150 max.														
Aluminium	Al %	Balance														
-	-	-	Mechanical Properties <table border="1"> <tr> <td>Tensile Strength in Mpa</td> <td>200 - 280</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>140 - 240</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 HB</td> <td>85 - 100</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </table>		Tensile Strength in Mpa	200 - 280	Yield Strength in Mpa	140 - 240	Elongation in %	1 min.	Reduction of Area in %	-	Hardness in HB	85 - 100	Impact in Joule	-
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-48000	DIN	Germany	Casting
EN AC-48000	BS	British	Casting
EN AC-48000	ASME	USA	Casting
EN AC-48000	UNI	Italy	Casting
EN AC-48000	AFNOR NF	France	Casting
EN AC-48000	UNE	Spain	Casting
Al Si12CuMgNi	ISO	International	Casting

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