

Material: ISO 3522 Al Si7Cu2

Standard Specification for Aluminium and Aluminium Alloys

Group: Non-Ferrous Aluminium Alloy

Sub Group: ISO 3522 for Aluminium and Aluminium Alloys

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment													
Silicon	Si %	6.000 - 8.000	As-Cast													
Iron	Fe %	0.800 max.														
Copper	Cu %	1.500 - 2.500														
Manganese	Mn %	0.150 - 0.650														
Magnesium	Mg %	0.350 max.														
Nickel	Ni %	0.350 max.														
Zinc	Zn %	1.000 max.														
Lead	Pb %	0.250 max.														
Tin	Sn %	0.150 max.	Mechanical Properties <table><tr><td>Tensile Strength in Mpa</td><td>150 min.</td></tr><tr><td>Yield Strength in Mpa</td><td>90 min.</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 HBW</td><td>60 min.</td></tr><tr><td>Impact in Joule</td><td>-</td></tr></table>		Tensile Strength in Mpa	150 min.	Yield Strength in Mpa	90 min.	Elongation in %	1 min.	Reduction of Area in %	-	Hardness in HBW	60 min.	Impact in Joule	-
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Elongation in %	1 min.															
Reduction of Area in %	-															
Hardness in HBW	60 min.															
Impact in Joule	-															
Titanium	Ti %	0.250 max.														
Other	Ot%	0.150 max.														
Aluminium	Al %	Balance														
-	-	-														
-	-	-														
-	-	-														

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-46600	DIN	Germany	Casting
EN AC-46600	BS	British	Casting
EN AC-46600	UNI	Italy	Casting
EN AC-46600	UNE	Spain	Casting
EN AC-46600	SFS	Finland	Casting
EN AC-46600	BDS	Bulgaria	Casting
EN AC-46600	CSN	Czech Republic	Casting

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