

Material: ISO 3522 Al Si7Cu3Mg

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 %	6.500 - 8.000	As-Cast	
Iron	Fe %	0.800 max.		
Copper	Cu %	3.000 - 4.000		
Manganese	Mn %	0.200 - 0.650		
Magnesium	Mg %	0.300 - 0.600		
Nickel	Ni %	0.300 max.		
Zinc	Zn %	0.650 max.		
Lead	Pb %	0.150 max.		
Tin	Sn %	0.100 max.		
Titanium	Ti %	0.250 max.		
Other	Ot%	0.250 max.	Mechanical Properties	
Aluminium	Al %	Balance	Tensile Strength in Mpa	180 min.
-	-	-	Yield Strength in Mpa	100 min.
-	-	-	Elongation in %	1 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HBW	80 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-46300	DIN	Germany	Casting
EN AC-46300	BS	British	Casting
EN AC-46300	ASME	USA	Casting
EN AC-46300	UNI	Italy	Casting
EN AC-46300	UNE	Spain	Casting
EN AC-46300	SFS	Finland	Casting
EN AC-46300	BDS	Bulgaria	Casting

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