Material: ISO 3522 Al Si7Mg0.3

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		
Silicon	Si %	6.500 - 7.500
Iron	Fe %	0.100 max.
Copper	Cu %	0.050 max.
Manganese	Mn %	0.100 max.
Magnesium	Mg %	0.250 - 0.450
Zinc	Zn %	0.070 max.
Titanium	Ti %	0.080 - 0.250
Other	Ot%	0.100 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or Solution Anneling and Aging

Mechanical Properties	
Tensile Strength in Mpa	230 min.
Yield Strength in Mpa	190 min.
Elongation in %	2 min.
Reduction of Area in %	-
Hardness in HBW	75 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN AC-42100	DIN	Germany	Casting
EN AC-42100	BS	British	Casting
EN AC-42100	UNE	Spain	Casting
EN AC-42100	UNI	Italy	Casting
EN AC-42100	SFS	Finland	Casting
EN AC-42100	AFNOR NF	France	Casting
EN AC-42100	MSZ	Hungary	Casting

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