Material: ISO 3522 Al Si11

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 %	10.000 - 11.800
Iron	Fe %	0.190 max.
Copper	Cu %	0.050 max.
Manganese	Mn %	0.100 max.
Magnesium	Mg %	0.450 max.
Zinc	Zn %	0.070 max.
Titanium	Ti %	0.150 min.
Other	Ot%	0.100 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	150 min.
Yield Strength in Mpa	70 min.
Elongation in %	6 min.
Reduction of Area in %	-
Hardness in HBW	45 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN AC-44000	ASME	USA	Casting
EN AC-44000	DIN	Germany	Casting
EN AC-44000	UNE	Spain	Casting
EN AC-44000	SFS	Finland	Casting
EN AC-44000	MSZ	Hungary	Casting
EN AC-44000	AFNOR NF	France	Casting
EN AC-44000	BDS	Bulgaria	Casting

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