Material: ISO 3522 Al Mg5(Si)

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 %	1.500 max.
Iron	Fe %	0.550 max.
Copper	Cu %	0.050 max.
Manganese	Mn %	0.450 max.
Magnesium	Mg %	4.500 - 6.500
Zinc	Zn %	0.010 max.
Titanium	Ti %	0.200 max.
Other	Ot%	0.150 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	160 min.
Yield Strength in Mpa	100 min.
Elongation in %	3 min.
Reduction of Area in %	-
Hardness in HBW	60 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
EN AC-51400	DIN	Germany	Casting
EN AC-51400	BS	British	Casting
EN AC-51400	ASME	USA	Casting
EN AC-51400	AFNOR NF	France	Casting
EN AC-51400	UNE	Spain	Casting
EN AC-51400	UNI	Italy	Casting
EN AC-51400	SFS	Finland	Casting

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