

Material: ISO 3522 Al Si2MgTi

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 %	1.600 - 2.400
Iron	Fe %	0.600 max.
Copper	Cu %	0.100 max.
Manganese	Mn %	0.300 - 0.500
Magnesium	Mg %	0.450 - 0.650
Nickel	Ni %	0.050 max.
Zinc	Zn %	0.100 max.
Lead	Pb %	0.050 max.
Tin	Sn %	0.050 max.
Titanium	Ti %	0.050 - 0.200
Other	Ot%	0.150 max.
Aluminium	Al %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment	
As-Cast	

Mechanical Properties	
Tensile Strength in Mpa	140 min.
Yield Strength in Mpa	70 min.
Elongation in %	3 min.
Reduction of Area in %	-
Hardness in HBW	50 min.
Impact in Joule	0

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-41000	ASME	USA	Casting
EN AC-41000	DIN	Germany	Casting
EN AC-41000	SFS	Finland	Casting
EN AC-41000	BS	British	Casting
EN AC-41000	UNE	Spain	Casting
EN AC-41000	UNI	Italy	Casting
EN AC-41000	BDS	Bulgaria	Casting

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