



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			Heat Treatment	
Silicon	Si %	1.600 - 2.400	As-Cast	
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		
-	-	-		
-	-	-		
-	-	-		
			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

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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