



## Material - ISO 3522 Al Si7Mg

### 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 %	6.500 - 7.500	As-Cast	
Iron	Fe %	0.550 max.		
Copper	Cu %	0.200 max.		
Manganese	Mn %	0.350 max.		
Magnesium	Mg %	0.200 - 0.650		
Nickel	Ni %	0.150 max.		
Zinc	Zn %	0.150 max.		
Lead	Pb %	0.150 max.		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.050 - 0.200		
Other	Ot%	0.150 max.	Mechanical Properties	
Aluminium	Al %	Balance	Tensile Strength in Mpa	150 min.
-	-	-	Yield Strength in Mpa	80 min.
-	-	-	Elongation in %	2 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
AlSi7Mg	DIN	Germany	Wire and Rod
AlSi7Mg	BS	British	Wire and Rod
AlSi7Mg	UNI	Italy	Wire and Rod
AlSi7Mg	UNE	Spain	Wire and Rod
AlSi7Mg	MSZ	Hungary	Wire and Rod
AlSi7Mg	CSN	Czech Republic	Wire and Rod
AlSi7Mg	BDS	Bulgaria	Wire and Rod

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

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