

Material: ISO 3522 Al Si10Mg

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 %	9.000 - 11.000	As-Cast	
Iron	Fe %	0.550 max.		
Copper	Cu %	0.100 max.		
Manganese	Mn %	0.450 max.		
Magnesium	Mg %	0.200 - 0.450		
Nickel	Ni %	0.050 max.		
Zinc	Zn %	0.100 max.		
Lead	Pb %	0.050 max.		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.150 max.		
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	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
AlSi10Mg	DIN	Germany	Casting
AlSi10Mg	BS	British	Wire and Rod
AlSi10Mg	UNI	Italy	Wire and Rod
AlSi10Mg	UNE	Spain	Wire and Rod
AlSi10Mg	MSZ	Hungary	Wire and Rod
AlSi10Mg	CSN	Czech Republic	Wire and Rod
AlSi10Mg	BDS	Bulgaria	Wire and Rod

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