

Material: ISO 3522 Al Si12(a)

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 %	10.500 - 13.500	As-Cast	
Iron	Fe %	0.550 max.		
Copper	Cu %	0.050 max.		
Manganese	Mn %	0.350 max.		
Zinc	Zn %	0.100 max.		
Titanium	Ti %	0.150 max.		
Other	Ot%	0.150 min.		
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	150 min.
			Yield Strength in Mpa	70 min.
			Elongation in %	5 min.
			Reduction of Area in %	-
			Hardness in HBW	50 min.
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN Al 4047A	DIN	Germany	Wire and Rod
EN Al 4047A	BS	British	Wire and Rod
EN Al 4047A	SFS	Finland	Wire and Rod
EN Al 4047A	UNE	Spain	Wire and Rod
EN Al 4047A	UNI	Italy	Wire and Rod
EN Al 4047A	CSN	Czech Republic	Wire and Rod
EN Al 4047A	BDS	Bulgaria	Wire and Rod

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Customer Care: +91-99090 45075 Email: info@icastllp.com