



Material - ISO 3522 Al Si12(Fe)

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 %	1.000 max.		
Copper	Cu %	0.100 max.		
Manganese	Mn %	0.550 max.		
Zinc	Zn %	0.150 max.		
Titanium	Ti %	0.150 max.		
Other	Ot%	0.250 min.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	240 min.
-	-	-	Yield Strength in Mpa	130 min.
-	-	-	Elongation in %	1 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HBW	60 min.
-	-	-	Impact in Joule	0

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-44300	ASME	USA	Casting
EN AC-44300	DIN	Germany	Casting
EN AC-44300	SFS	Finland	Casting
EN AC-44300	BS	British	Casting
EN AC-44300	UNE	Spain	Casting
EN AC-44300	UNI	Italy	Casting
EN AC-44300	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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