



## Material - ISO 3522 Al Si12(b)

### 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 %	0.650 max.		
Copper	Cu %	0.150 max.		
Manganese	Mn %	0.550 max.		
Magnesium	Mg %	0.100 max.		
Nickel	Ni %	0.100 max.		
Zinc	Zn %	0.150 max.		
Lead	Pb %	0.100 max.		
Titanium	Ti %	0.200 max.		
Other	-	0.150 max.		
Aluminium	Al %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa      150 min. Yield Strength in Mpa      70 min. Elongation in %      4 min. Reduction of Area in %      - Hardness in HBW      50 min. Impact in Joule      0	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AB-44100	DIN	Germany	Ingot and Casting
EN AB-44100	BS	British	Ingot and Casting
EN AB-44100	SFS	Finland	Ingot and Casting
EN AB-44100	UNE	Spain	Ingot and Casting
EN AB-44100	UNI	Italy	Ingot and Casting
EN AB-44100	CSN	Czech Republic	Ingot and Casting
EN AB-44100	BDS	Bulgaria	Ingot and 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](mailto:marketing@gravitycastindia.com)**

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