



## Material - ASME EN 1706 AC-44300

### Standard Specification for Aluminium and Aluminium Alloys - Castings

Group - Non-Ferrous Aluminium Alloy

Sub Group - ASME EN 1706 Aluminium and Aluminium Alloys - Castings

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	0.100 max.	As-Cast	
Iron	Fe %	1.000 max.		
Manganese	Mn %	0.550 max.		
Silicon	Si %	10.500 - 13.500		
Titanium	Ti %	0.150 max.		
Zinc	Zn %	0.150 max.		
Other	Ot%	0.150 max.		
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 HB		60 min.		
Impact in Joule		-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Si12(Fe)	ISO	International	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](mailto:marketing@gravitycastindia.com)**

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