



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNE EN 1706 AC-44300

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group - Non-Ferrous Aluminium Alloy

Sub Group - UNE 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
EN AC-44300	ASME	USA	Casting
EN AC-44300	DIN	Germany	Casting
EN AC-44300	SFS	Finland	Casting
EN AC-44300	BS	British	Casting
Al Si12(Fe)	ISO	International	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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