Material - ASME EN 1706 AC-44000

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group - Non-Ferrous Alumium 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 %	0.650 max.		
Magnesium	Mg %	0.100 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	0.050 max.		
Silicon	Si %	8.000 - 11.000		
Lead	Pb %	0.050 max.		
Tin	Sn %	0.050 max.		
Titanium	Ti %	0.150 max.	**Mechanical Properties**	
Zinc	Zn %	0.150 max.	Tensile Strength in Mpa	170 - 220
Other	Ot%	0.150 max.	Yield Strength in Mpa	80 - 120
Aluminium	Al %	Balance	Elongation in %	2 - 5
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	50 - 55
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
Al Si9	ISO	International	Casting
EN AC-44000	DIN	Germany	Casting
EN AC-44000	UNE	Spain	Casting
EN AC-44000	SFS	Finland	Casting
EN AC-44000	MSZ	Hungary	Casting
EN AC-44000	AFNOR NF	France	Casting
EN AC-44000	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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