

Material: ASME EN 1706 AC-44000

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 %	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.		
Zinc	Zn %	0.150 max.		
Other	Ot%	0.150 max.		
Aluminium	Al %	Balance	Mechanical Properties Tensile Strength in Mpa 170 - 220 Yield Strength in Mpa 80 - 120 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

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