

Material: ASME EN 1706 AC-46300

Standard Specification for Aluminium and Aluminium Alloys - Casting

Group: Non-Ferrous Aluminium Alloy

Sub Group: ASME EN 1706 Aluminium and Aluminium Alloys - Casting

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

Belongs to the Industry: Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	3.000 - 4.000	As-Cast	
Iron	Fe %	0.800 max.		
Magnesium	Mg %	0.300 - 0.600		
Manganese	Mn %	0.200 - 0.650		
Nickel	Ni %	0.300 max.		
Silicon	Si %	6.500 - 8.000		
Lead	Pb %	0.150 max.		
Tin	Sn %	0.100 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.650 max.		
Other	Ot%	0.250 max.	Mechanical Properties Tensile Strength in Mpa 180 - 255 Yield Strength in Mpa 100 - 180 Elongation in % 1 min. Reduction of Area in % - Hardness in HB 80 - 85 Impact in Joule -	
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-46300	DIN	Germany	Casting
EN AC-46300	BS	British	Casting
Al Si7Cu3Mg	ISO	International	Casting
EN AC-46300	UNI	Italy	Casting
EN AC-46300	UNE	Spain	Casting
EN AC-46300	SFS	Finland	Casting
EN AC-46300	BDS	Bulgaria	Casting

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com