

Material: DIN EN 1706 AC-42100

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group: Non-Ferrous Aluminium Alloy

Sub Group: DIN 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 %	0.050 max.	As-Cast or Solution Annealing and Aging	
Iron	Fe %	0.190 max.		
Magnesium	Mg %	0.250 - 0.450		
Manganese	Mn %	0.100 max.		
Silicon	Si %	6.500 - 7.500		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.070 max.		
Other	Ot%	0.100 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 200 - 340 Yield Strength in Mpa 120 - 280 Elongation in % 2 - 12 Reduction of Area in % - Hardness in HB 60 - 125 Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Si7Mg0.3	ISO	International	Casting
EN AC-42100	BS	British	Casting
EN AC-42100	UNE	Spain	Casting
EN AC-42100	UNI	Italy	Casting
EN AC-42100	SFS	Finland	Casting
EN AC-42100	AFNOR NF	France	Casting
EN AC-42100	MSZ	Hungary	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