Material - SFS EN 1706 AC-42100

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group - Non-Ferrous Alumium Alloy

Sub Group - SFS 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 Anneling 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**
EN AC-42100	DIN	Germany	Casting
EN AC-42100	BS	British	Casting
EN AC-42100	UNE	Spain	Casting
EN AC-42100	UNI	Italy	Casting
Al Si7Mg0.3	ISO	International	Casting
EN AC-42100	AFNOR NF	France	Casting
EN AC-42100	MSZ	Hungary	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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