



## Material - DIN EN 1706 AC-42200

### 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 %	0.450 - 0.700		
Manganese	Mn %	0.100 max.		
Silicon	Si %	6.500 - 7.500		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	0.070 max.		
Other	Other %	0.100 max.		
Aluminium	Al %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	250 - 320
-	-	-	Yield Strength in Mpa	210 - 240
-	-	-	Elongation in %	1 - 6
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	85 - 100
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Al Si7Mg0.6	ISO	International	Casting
EN AC-42200	BS	British	Casting
EN AC-42200	UNE	Spain	Casting
EN AC-42200	UNI	Italy	Casting
EN AC-42200	SFS	Finland	Casting
EN AC-42200	AFNOR NF	France	Casting
EN AC-42200	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](mailto:marketing@gravitycastindia.com)**

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