

# Material: MSZ EN 1706 AC-42200

## Standard Specification for Aluminium and Aluminium Alloys - Castings

**Group:** Non-Ferrous Aluminium Alloy

**Sub Group:** MSZ 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 lution Anneling 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	Ot%	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
EN AC-42200	DIN	Germany	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
Al Si7Mg0.6	ISO	International	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](mailto:info@icastllp.com)