Material: BS EN 1706 AC-42200

Standard Specification for Aluminium and Aluminium Alloys - Castings

Group: *Non-Ferrous Alumium Alloy*

Sub Group: *BS 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		
Copper	Cu %	0.050 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast or lution Anneling and Aging

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
Al Si7Mg0.6	ISO	International	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

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