



## Material - BS EN 1706 AC-46200

### Standard Specification for Aluminium and Aluminium Alloys - Casting

Group - Non-Ferrous Aluminium Alloy

Sub Group - BS EN 1706 Aluminium and Aluminium Alloys - Casting

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Casting

Chemical Composition			Heat Treatment	
Copper	Cu %	2.000 - 3.500	As-Cast	
Iron	Fe %	0.800 max.		
Magnesium	Mg %	0.050 - 0.550		
Manganese	Mn %	0.150 - 0.650		
Nickel	Ni %	0.350 max.		
Silicon	Si %	7.500 - 9.500		
Lead	Pb %	0.250 max.		
Tin	Sn %	0.150 max.		
Titanium	Ti %	0.250 max.		
Zinc	Zn %	1.200 max.		
Other	Ot%	0.250 max.	<b>Mechanical Properties</b> Tensile Strength in Mpa      150 - 370 Yield Strength in Mpa      90 - 310 Elongation in %      1 - 2 Reduction of Area in %      - Hardness in HB      60 - 120 Impact in Joule      -	
Aluminium	Al %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN AC-46200	DIN	Germany	Casting
Al Si8Cu3	ISO	International	Casting
EN AC-46200	ASME	USA	Casting
EN AC-46200	UNI	Italy	Casting
EN AC-46200	UNE	Spain	Casting
EN AC-46300	SFS	Finland	Casting
EN AC-46200	AFNOR NF	France	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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