



## Material - AFNOR NF EN 1982 CC755S

**Standard Specification for Copper and Copper Alloys - Ingots and Castings**

**Group - Non-Ferrous Copper Alloy**

**Sub Group - AFNOR NF EN 1982 Copper and Copper Alloys - Ingots and Castings**

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

**Grade Belongs to the Industry - Ingot and Casting**

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.400 - 0.700	As-Cast	
Iron	Fe %	0.050 - 0.200		
Manganese	Mn %	0.050 max.		
Nickel	Ni %	0.200 max.		
Lead	Pb %	1.200 - 1.700		
Silicon	Si %	0.050 max.		
Tin	Sn %	0.300 max.		
Copper	Cu %	59.500 - 61.000		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	310 - 350
-	-	-	Yield Strength in Mpa	180 - 210
-	-	-	Elongation in %	3 - 13
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	90 - 100
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB755S	BS	British	Ingot and Casting
CC755S	DIN	Germany	Ingot and Casting
CC755S	MSZ	Hungary	Ingot and Casting
CC755S	UNI	Italy	Ingot and Casting
CuZn39Pb1AIB-C	UNE	Spain	Ingot and Casting
CuZn39Pb1AIB-C	CSN	Czech Republic	Ingot and Casting
CuZn39Pb1AIB-C	MSZ	Hungary	Ingot and 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)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.