



Material - UNI EN 1982 CC751S

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - UNI 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 %	0.100 max.	As-Cast	
Iron	Fe %	0.250 - 0.500		
Manganese	Mn %	0.150 max.		
Nickel	Ni %	0.800 max.		
Lead	Pb %	0.800 - 2.200		
Antimony	Sb %	0.050 max.		
Silicon	Si %	0.650 - 1.100		
Tin	Sn %	0.800 max.		
Cu + Ni	Cu%+Ni%	63.500 - 66.000		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	470 min.
-	-	-	Yield Strength in Mpa	310 min.
-	-	-	Elongation in %	3 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	150 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB751S	BS	British	Ingot and Casting
CC751S	EN	European Union	Ingot and Casting
CC751S	DIN	Germany	Ingot and Casting
CC751S	BS	British	Ingot and Casting
CC751S	ONORM	Australia	Ingot and Casting
CC751S	AFNOR NF	France	Ingot and Casting
CC751S	CSN	Czech Republic	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

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