



## Material - ONORM EN 1982 CC753S

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - ONORM 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 - 0.800	As-Cast			
Iron	Fe %	0.500 - 0.800				
Manganese	Mn %	0.200 max.				
Nickel	Ni %	0.500 - 1.200				
Phosphorus	P %	0.020 max.				
Lead	Pb %	1.800 - 2.500				
Antimony	Sb %	0.050 max.				
Silicon	Si %	0.050 max.				
Tin	Sn %	0.800 max.				
Cu + Ni	Cu%+Ni%	58.000 - 61.000				
Zinc	Zn %	Balance	<th colspan="2">Mechanical Properties</th>		Mechanical Properties	
-	-	-	Tensile Strength in Mpa	300 min.		
-	-	-	Yield Strength in Mpa	150 min.		
-	-	-	Elongation in %	15 min.		
-	-	-	Reduction of Area in %	-		
-	-	-	Hardness in HB	90 min.		
-	-	-	Impact in Joule	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB753S	BS	British	Ingot and Casting
CC753S	UNI	Italy	Ingot and Casting
CC753S	UNE	Spain	Ingot and Casting
CC753S	CSN	Czech Republic	Ingot and Casting
CC753S	BDS	Bulgaria	Ingot and Casting
CC753S	PN	Poland	Ingot and Casting
CC753S	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)**

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