



Material - UNI EN 1982 CC753S

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 %	0.400 - 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	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	UNE	Spain	Ingot and Casting
CC753S	CSN	Czech Republic	Ingot and Casting
CC753S	BDS	Bulgaria	Ingot and Casting
CC753S	ONORM	Australia	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

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.