



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - BDS EN 1982 CC752S

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - BDS 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 %	0.300 - 0.700	As-Cast	
Arsenic	As %	0.040 - 0.140		
Iron	Fe %	0.300 max.		
Manganese	Mn %	0.100 max.		
Nickel	Ni %	0.200 max.		
Lead	Pb %	1.500 - 2.200		
Antimony	Sb %	0.140 max.		
Sb + As	Sb% + As%	0.140 max.		
Silicon	Si %	0.020 max.		
Tin	Sn %	0.300 max.		
Copper	Cu %	61.500 - 64.500	Mechanical Properties	
Zinc	Zn %	Balance	Tensile Strength in Mpa	280 - 330
-	-	-	Yield Strength in Mpa	120 - 250
-	-	-	Elongation in %	1.5 - 10
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	70 - 110
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB752S	BS	British	Ingot and Casting
CC752S	UNI	Italy	Ingot and Casting
CC752S	UNE	Spain	Ingot and Casting
CC752S	CSN	Czech Republic	Ingot and Casting
CC752S	ONORM	Australia	Ingot and Casting
CC752S	PN	Poland	Ingot and Casting
CC752S	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.

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