



## Material - BS EN 1982 CuZn37Pb2Ni1AlFe-B (CB753S)

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

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		
Nickel	Ni %	0.500 - 1.200		
Lead	Pb %	1.800 - 2.500		
Tin	Sn %	0.800 max.		
Manganese	Mn %	0.200 max.		
Phosphorus	P %	0.020 max.		
Antimony	Sb %	0.050 max.		
Silicon	Si %	0.050 max.		
Cu + Ni	Cu%+Ni%	58.000 - 61.000		
Zinc	Zn %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa   300 min. Yield Strength in Mpa   150 min. Elongation in %   15 min. Reduction of Area in %   - Hardness in HBW   90 min. Impact in Joule   -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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	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](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.