



Material - BS EN 1982 CuZn35Mn2Al1Fe1-B (CB765S)

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	
Antimony	Sb %	0.008 max.	As-Cast	
Phosphorus	P %	0.030 max.		
Silicon	Si %	0.100 max.		
Lead	Pb %	0.500 max.		
Tin	Sn %	1.000 max.		
Nickel	Ni %	6.000 max.		
Manganese	Mn %	0.500 - 3.000		
Iron	Fe %	0.500 - 2.000		
Aluminium	Al %	0.500 - 2.500		
Cu + Ni	Cu%+Ni%	57.000 - 65.000		
Zinc	Zn %	Balance	Mechanical Properties Tensile Strength in Mpa 450 min. Yield Strength in Mpa 170 min. Elongation in % 20 min. Reduction of Area in % - Hardness in HBW 110 min. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC765S	AFNOR NF	France	Ingot and Casting
CC765S	BDS	Bulgaria	Ingot and Casting
CC765S	CSN	Czech Republic	Ingot and Casting
CC765S	DIN	Germany	Ingot and Casting
CuZn35Mn2Al1Fe1-C	UNI	Italy	Ingot and Casting
CuZn35Mn2Al1Fe1-C	UNE	Spain	Ingot and Casting
CuZn35Mn2Al1Fe1-C	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.