



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AFNOR NF EN 1982 CuZn35Mn2Al1Fe1-B

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - AFNOR NF 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 %	0.700 - 2.200	As-Cast	
Iron	Fe %	0.500 - 1.800		
Manganese	Mn %	0.500 - 2.500		
Nickel	Ni %	6.000 max.		
Phosphorus	P %	0.020 max.		
Lead	Pb %	0.500 max.		
Antimony	Sb %	0.080 max.		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.800 max.	Mechanical Properties	
Cu + Ni	Cu%+Ni%	56.000 - 64.000	Tensile Strength in Mpa	450 - 500
Zinc	Zn %	Balance	Yield Strength in Mpa	170 - 200
-	-	-	Elongation in %	18 - 20
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	110 - 120
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC765S	BS	British	Ingot and Casting
CB765S	DIN	Germany	Ingot and Casting
CB765S	BDS	Bulgaria	Ingot and Casting
CB765S	CSN	Czech Republic	Ingot and Casting
CuZn35Mn2Al1Fe1-B	ONORM	Australia	Ingot and Casting
CuZn35Mn2Al1Fe1-B	UNE	Spain	Ingot and Casting
CuZn35Mn2Al1Fe1-B	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.

ONE STOP SOLUTION FOR METAL PARTS