



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNE EN 1982 CuZn32Al2Mn2Fe1-C

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - UNE 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 %	1.000 - 2.500	As-Cast	
Iron	Fe %	0.500 - 2.000		
Manganese	Mn %	1.000 - 3.500		
Nickel	Ni %	2.500 max.		
Lead	Pb %	1.500 max.		
Antimony	Sb %	0.080 max.		
Silicon	Si %	1.000 max.		
Tin	Sn %	1.000 max.		
Cu + Ni	Cu%+Ni%	59.000 - 67.000		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	430 - 450
-	-	-	Yield Strength in Mpa	150 - 340
-	-	-	Elongation in %	3 - 10
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	100 - 110
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CB763S	BS	British	Ingot and Casting
CC763S	ONORM	Australia	Ingot and Casting
CC763S	BDS	Bulgaria	Ingot and Casting
CC763S	UNI	Italy	Ingot and Casting
CC763S	DIN	Germany	Ingot and Casting
CuZn32Al2Mn2Fe1-C	AFNOR NF	France	Ingot and Casting
CuZn32Al2Mn2Fe1-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.

ONE STOP SOLUTION FOR METAL PARTS