



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AS 2738 C91700

Standard Specification for Copper and Copper Alloys - Compositions and Designations of Refinery Products, Wrought Products, Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - AS 2738 Copper and Copper Alloys - Compositions and Designations of Refinery Products, Wrought Products, 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 %	0.005 max.	As-Cast	
Iron	Fe %	0.200 max.		
Nickel	Ni %	1.200 - 2.000		
Phosphorus	P %	0.300 max.		
Lead	Pb %	0.250 max.		
Sulphur	S %	0.050 max.		
Antimony	Sb %	0.200 max.		
Silicon	Si %	0.005 max.		
Tin	Sn %	11.300 - 12.500		
Zinc	Zn %	0.250 max.		
Copper	Cu %	84.000 - 87.000	Mechanical Properties Tensile Strength in Mpa 220 - 415 Yield Strength in Mpa 110 - 220 Elongation in % 8 - 16 Reduction of Area in % - Hardness in HB 80 - 106 Impact in Joule -	
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-	-	-		
-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CT2	BS	British	Ingot and Casting
CuSn12Ni2	ISO	International	Ingot and Casting
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-	-	-	-
-	-	-	-
-	-	-	-
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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