



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AS 2738 C95210

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 % | 8.500 - 9.500 | As-Cast | |
| Iron | Fe % | 2.500 - 4.000 | | |
| Magnesium | Mg % | 0.050 max. | | |
| Manganese | Mn % | 1.000 max. | | |
| Lead | Pb % | 0.050 max. | | |
| Silicon | Si % | 0.250 max. | | |
| Tin | Sn % | 0.100 max. | | |
| Zinc | Zn % | 0.500 max. | | |
| Copper | Cu % | 86.000 min. | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| | | | Tensile Strength in Mpa | 520 min. |
| | | | Yield Strength in Mpa | 210 min. |
| | | | Elongation in % | 12 min. |
| | | | Reduction of Area in % | - |
| | | | Hardness in BHN | - |
| | | | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| AB1 | BS | British | Casting |
| 952C | AS | Australia | Ingot and Casting |
| CuAl10Fe3 | ISO | International | Rod and Bar |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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