



## Material - KS D2320 CACIn407

### Standard Specification for Copper Alloys Ingot for Casting

Group - Non-Ferrous Copper Alloy

Sub Group - KS D2320 Copper Alloys Ingot for Casting

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 % | 0.800 max.      |   |  |
| Phosphorus           | P %  | 0.030 max.      |   |  |
| Lead                 | Pb % | 1.000 - 3.000   |   |  |
| Antimony             | Sb % | 0.200 max.      |   |  |
| Silicon              | Si % | 0.005 max.      |   |  |
| Tin                  | Sn % | 5.000 - 7.000   |   |  |
| Zinc                 | Zn % | 3.000 - 5.000   |   |  |
| Copper               | Cu % | 86.000 - 90.000 |   |  |
| -                    | -    | 0               | <b>Mechanical Properties</b><br>Tensile Strength in Mpa      234 min.<br>Yield Strength in Mpa      110 min.<br>Elongation in %      22 min.<br>Reduction of Area in %      -<br>Hardness in BHN      -<br>Impact in Joule      - |  |
| -                    | -    | -               |   |  |
| -                    | -    | -               |   |  |
| -                    | -    | -               |   |  |
| -                    | -    | -               |   |  |
| -                    | -    | -               |   |  |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| C92200                | UNS      | USA     | Rod, Bar, Tube and Shapes    |
| B30 C92200            | ASTM     | USA     | Ingot and Casting            |
| B61 C92200            | ASTM     | USA     | Casting                      |
| SB-61 C92200          | ASME     | USA     | Casting                      |
| SB-505 C922000        | ASME     | USA     | Casting                      |
| CA922                 | SAE      | USA     | Casting                      |
| SAE 922               | SAE      | USA     | 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](mailto: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.