



## Material - UNS C75700

### Standard Specification for Metals and Alloys in the Unified Numbering System

Group - Non-Ferrous Copper Alloy

Sub Group - UNS Metals and Alloys in the Unified Numbering System

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Rod and Bar

| Chemical Composition |           |                 | Heat Treatment                        |           |
|----------------------|-----------|-----------------|---------------------------------------|-----------|
| Iron                 | Fe %      | 0.250 max.      | Normalizing or Annealing or Tempering |           |
| Manganese            | Mn %      | 0.500 max.      |                                       |           |
| Ni + Co              | Ni% + Co% | 11.000 - 13.000 |                                       |           |
| Lead                 | Pb %      | 0.050 max.      |                                       |           |
| Copper               | Cu %      | 63.500 - 66.500 |                                       |           |
| Zinc                 | Zn %      | Balance         |                                       |           |
| -                    | -         | -               |                                       |           |
| -                    | -         | -               |                                       |           |
| -                    | -         | -               |                                       |           |
| -                    | -         | -               |                                       |           |
|                      |           |                 | Mechanical Properties                 |           |
|                      |           |                 | Tensile Strength in Mpa               | 505 - 895 |
|                      |           |                 | Yield Strength in Mpa                 | -         |
|                      |           |                 | Elongation in %                       | -         |
|                      |           |                 | Reduction of Area in %                | -         |
|                      |           |                 | Hardness in BHN                       | -         |
|                      |           |                 | Impact in Joule                       | -         |

| Cross Reference Table |          |               |                                    |
|-----------------------|----------|---------------|------------------------------------|
| Material              | Standard | Country       | Grade Belong to the Industry       |
| CuNi10Zn27            | IS       | India         | Rod and Bar                        |
| B122 C75200           | ASTM     | USA           | Plate, Sheet, Strip and Rolled Bar |
| B151 C75200           | ASTM     | USA           | Rod and Bar                        |
| C78400                | UNS      | USA           | Rod and Bar                        |
| B206 C75700           | ASTM     | USA           | Wire                               |
| SB-151 C75700         | ASME     | USA           | Rod and Bar                        |
| CuNi12Zn29            | ISO      | International | Plate, Sheet and Strip             |

**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)**

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