

## Material: BS EN 1982 CuSn7Pb15-B (CB496K)

### Standard Specification for Copper and Copper Alloys - Ingot and Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and 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 %    | 0.010 max.      | As-Cast                 |          |
| Iron                 | Fe %    | 0.250 max.      |                         |          |
| Manganese            | Mn %    | 0.200 max.      |                         |          |
| Sulphur              | S %     | 0.100 max.      |                         |          |
| Antimony             | Sb %    | 0.500 max.      |                         |          |
| Silicon              | Si %    | 0.010 max.      |                         |          |
| Nickel               | Ni %    | 0.500 - 2.000   |                         |          |
| Phosphorus           | P %     | 0.100 max.      |                         |          |
| Lead                 | Pb %    | 13.000 - 17.000 |                         |          |
| Zinc                 | Zn %    | 2.000 max.      | Mechanical Properties   |          |
| Tin                  | Sn %    | 6.000 - 8.000   | Tensile Strength in Mpa | 170 min. |
| Cu + Ni              | Cu%+Ni% | 74.000 - 80.000 | Yield Strength in Mpa   | 80 min.  |
| -                    | -       | -               | Elongation in %         | 8 min.   |
| -                    | -       | -               | Reduction of Area in %  | -        |
| -                    | -       | -               | Hardness in HBW         | 60 min.  |
| -                    | -       | -               | Impact in Joule         | -        |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |

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