

## Material: IS 6912 Cu FLB

### Standard Specification for Copper and Copper Alloy Forging Stock and Forgings

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** IS 6912 Copper and Copper Alloy Forging Stock and Forgings

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Forging

| Chemical Composition |      |                 | Heat Treatment          |          |
|----------------------|------|-----------------|-------------------------|----------|
| Lead                 | Pb % | 0.600 - 2.000   | As Raw                  |          |
| Iron                 | Fe % | 0.300 max.      |                         |          |
| Other                | Ot%  | 0.750 max.      |                         |          |
| Copper               | Cu % | 56.500 - 60.000 |                         |          |
| Zinc                 | Zn % | Balance         |                         |          |
| -                    | -    | -               |                         |          |
| -                    | -    | -               |                         |          |
| -                    | -    | -               |                         |          |
| -                    | -    | -               |                         |          |
| -                    | -    | -               |                         |          |
|                      |      |                 | Mechanical Properties   |          |
| -                    | -    | -               | Tensile Strength in Mpa | 310 min. |
| -                    | -    | -               | Yield Strength in Mpa   | -        |
| -                    | -    | -               | Elongation in %         | 25 min.  |
| -                    | -    | -               | Reduction of Area in %  | -        |
| -                    | -    | -               | Hardness in BHN         | -        |
| -                    | -    | -               | Impact in Joule         | -        |

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

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