

## Material - ASTM B30 C86400

### Standard Specification for Copper Alloys Ingot and Casting

Group - Non-Ferrous Copper Alloy

Sub Group - ASTM B30 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 %      | 0.500 - 1.500   | As-Cast                 |          |
| Iron                 | Fe %      | 0.400 - 2.000   |                         |          |
| Manganese            | Mn %      | 0.100 - 1.000   |                         |          |
| Ni + Co              | Ni% + Co% | 0.800 max.      |                         |          |
| Lead                 | Pb %      | 0.500 - 1.300   |                         |          |
| Tin                  | Sn %      | 0.500 - 1.000   |                         |          |
| Zinc                 | Zn %      | 34.000 - 42.000 |                         |          |
| Copper               | Cu %      | 56.000 - 62.000 |                         |          |
| -                    | -         | -               | Mechanical Properties   |          |
| -                    | -         | -               | Tensile Strength in Mpa | 414 min. |
| -                    | -         | -               | Yield Strength in Mpa   | 138 min. |
| -                    | -         | -               | Elongation in %         | 15 min.  |
| -                    | -         | -               | Reduction of Area in %  | -        |
| -                    | -         | -               | Hardness in BHN         | -        |
| -                    | -         | -               | Impact in Joule         | -        |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| C86400                | UNS      | USA     | Rod, Bar, Tube and Shapes    |
| B132-A                | ASTM     | USA     | Casting                      |
| B147-7A               | ASTM     | USA     | Casting                      |
| B271 C86400           | ASTM     | USA     | Casting                      |
| B30 7A                | ASTM     | USA     | Ingot and Casting            |
| B584 C86400           | ASTM     | USA     | Casting                      |
| SB-584 C86400         | ASME     | USA     | Casting                      |

**For any further inquiries, please do not hesitate to contact us. You may visit our website at [AMTECH TECHNOCAST PVT. LTD.](http://AMTECH TECHNOCAST PVT. LTD.), call us at [+91 9879817994](tel:+919879817994), or email us at [manish@amtechtechnocast.com](mailto:manish@amtechtechnocast.com)**

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