

## Material: ASME SB-152 C11000

### Standard Specification for Copper Sheet, Strip, Plate and Rolled Bar

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** ASME SB-152 Copper Sheet, Strip, Plate and Rolled Bar

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

**Belongs to the Industry:** Sheet, Strip, Plate and Rolled Bar

| Chemical Composition |           |             | Heat Treatment                        |                   |
|----------------------|-----------|-------------|---------------------------------------|-------------------|
| Cu + Ag              | Cu% + Ag% | 99.900 min. | Normalizing or Annealing or Tempering |                   |
| -                    | -         | -           |                                       |                   |
| -                    | -         | -           |                                       |                   |
| -                    | -         | -           |                                       |                   |
| -                    | -         | -           |                                       |                   |
| -                    | -         | -           |                                       |                   |
| -                    | -         | -           |                                       |                   |
| -                    | -         | -           |                                       |                   |
| -                    | -         | -           |                                       |                   |
| -                    | -         | -           |                                       |                   |
| -                    | -         | -           | Mechanical Properties                 |                   |
| -                    | -         | -           | Tensile Strength in Mpa               | 154.500 - 698.200 |
| -                    | -         | -           | Yield Strength in Mpa                 | 55 - 367          |
| -                    | -         | -           | Elongation in %                       | -                 |
| -                    | -         | -           | Reduction of Area in %                | -                 |
| -                    | -         | -           | Hardness in HRB                       | 30 - 97           |
| -                    | -         | -           | Impact in Joule                       | -                 |

| Cross Reference Table |          |         |                                    |
|-----------------------|----------|---------|------------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry       |
| C11000                | UNS      | USA     | Rod, Bar, Tube and Shapes          |
| B133 C11000           | ASTM     | USA     | Rod, Bar and Shape                 |
| B152 C11000           | ASTM     | USA     | Sheet, Strip, Plate and Rolled Bar |
| B187 C11000           | ASTM     | USA     | Rod, Bar and Shapes                |
| B188 C11000           | ASTM     | USA     | Pipe and Tube                      |
| SB-187 C11000         | ASME     | USA     | Rod, Bar and Shapes                |
| SB-283 C11000         | ASME     | USA     | Forging                            |

**Disclaimer:** All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)