

Material: AS/NZS 1565 941C

Standard Specification for Copper and Copper Alloys - Ingot and Casting

Group: Non-Ferrous Copper Alloy

Sub Group: AS/NZS 1565 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 | | |
|----------------------|------|-----------------|
| Aluminium | Al % | 0.005 max. |
| Iron | Fe % | 0.250 max. |
| Nickel | Ni % | 1.000 max. |
| Phosphorus | P % | 1.500 max. |
| Lead | Pb % | 18.000 - 22.000 |
| Sulphur | S % | 0.080 max. |
| Antimony | Sb % | 0.800 max. |
| Silicon | Si % | 0.005 max. |
| Tin | Sn % | 4.700 - 6.500 |
| Zinc | Zn % | 1.000 max. |
| Copper | Cu % | 72.000 - 79.000 |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|----------------|
| As-Cast |

| Mechanical Properties | |
|-------------------------|-----------|
| Tensile Strength in Mpa | 160 - 190 |
| Yield Strength in Mpa | 60 - 100 |
| Elongation in % | 5 - 8 |
| Reduction of Area in % | - |
| Hardness in HB | 45 - 50 |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|-----------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| C94100 | UNS | USA | Rod, Bar, Tube and Shapes |
| B30 C94100 | ASTM | USA | Ingot and Casting |
| B505 C94100 | ASTM | USA | Casting |
| SB-505 C94100 | ASME | USA | Casting |
| C94100 | AS | Australia | Casting |
| - | - | - | - |
| - | - | - | - |

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



+91-99090 45075



info@icastllp.com



ICAST ALLOYS LLP, Plot 2527, Road H1, Kranti Gate, GIDC Metoda, Lodhika, Rajkot-360021, Gujarat, India