

Material: ASTM B169 C61400

Standard Specification for Aluminum Bronze Sheet, Strip and Rolled Bar

Group: Non-Ferrous Copper Alloy

Sub Group: ASTM B169 Aluminum Bronze Sheet, Strip and Rolled Bar

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

Belongs to the Industry: Sheet, Strip and Bar

| Chemical Composition | | |
|----------------------|-----------|---------------|
| Aluminium | Al % | 6.000 - 8.000 |
| Iron | Fe % | 1.500 - 3.500 |
| Manganese | Mn % | 1.000 max. |
| Phosphorus | P % | 0.015 max. |
| Lead | Pb % | 0.010 max. |
| Zinc | Zn % | 0.200 max. |
| Cu + Ag | Cu% + Ag% | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|------------------------------|
| As Drawn or Stress Relieving |

| Mechanical Properties | |
|-------------------------|-----------|
| Tensile Strength in Mpa | 450 - 495 |
| Yield Strength in Mpa | 180 - 205 |
| Elongation in % | 35 min. |
| Reduction of Area in % | - |
| Hardness in BHN | - |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| C61400 | UNS | USA | Rod, Bar, Tube and Shapes |
| B100 C61400 | ASTM | USA | Plate and Sheet |
| B111 C61400 | ASTM | USA | Tubes |
| B171 C61400 | ASTM | USA | Plate and Sheet |
| B315 C61400 | ASTM | USA | Pipe and Tube |
| CA614 | SAE | USA | Casting |
| SB-150 C61400 | ASME | USA | Rod, Bar and Shapes |

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