



**PACIFIC**  
**BRONZE**

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## MATERIAL DATA SHEET

### LG2 BRONZE

**Commonly known as** LG2, 836, Leaded Gunmetal, BC6C, conforms to BS 1400- 1985 LG2 and AS1565 83600

#### Typical Applications

Suitable for bearings with light loads at low to medium speeds; light duty gears with negligible loading; pump and valve components. Reasonable corrosion resistance in seawater. Not subject to dezincification.

#### Chemical Composition %

| Element   |    | Nominal   |
|-----------|----|-----------|
| Copper    | Cu | balance   |
| Tin       | Sn | 4.0 - 6.0 |
| Lead      | Pb | 4.0 - 6.0 |
| Zinc      | Zn | 4.0 - 6.0 |
| Nickel    | Ni | 1.0 max   |
| Iron      | Fe | 0.30 max  |
| Aluminium | Al | 0.01 max  |
| Antimony  | Sb | 0.20 max  |

#### Mechanical Properties

|                           |                                    |
|---------------------------|------------------------------------|
| Ultimate Tensile Strength | 245 MPa minimum                    |
| Elongation                | 15% minimum                        |
| Typical Hardness          | 60 BHN                             |
| Machinability             | 84 % (free machining brass = 100%) |

#### Similar Specifications

UNS C83600; BS1400-1985 LG2; ASTM 836; JIS H5111-BC6; DIN 1705-RG5; SAE 40

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