

## Copper Alloys

## CC491K (LG2) Bar & Castings

Datasheet Updated  
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### SPECIFICATIONS

Commercial	LG2
EN	CC491K

Tin bronze alloy also known as red bronze or leaded gunmetal.

### CHEMICAL COMPOSITION

Element	% Present
Chromium (Cr)	0.00 - 0.10
Copper (Cu)	83.00 - 87.00
Lead (Pb)	4.00 - 6.00
Zinc (Zn)	4.00 - 6.00
Nickel (Ni)	0.00 - 2.00
Phosphorous (P)	0.00 - 0.01
Tin (Sn)	4.00 - 6.00

### ALLOY DESIGNATIONS

- BS1400 LG2
- CuSn5Zn5Pb5-C
- C83600

### SUPPLIED FORMS

- Bar
- Hollow Bar
- Castings

### APPLICATIONS

- Architecture: Ornamental fixtures
- Building: Heating & cooling equipment
- Fasteners
- Marine hardware
- Builders hardware
- Electrical hardware and switches
- Industrial: Valves, bearings, pumps, gears, rings
- Plumbing fixtures and pipe fittings

### CHARACTERISTICS

- Medium strength
- High resistance to impact
- Superior corrosion and wear resistance
- Resistance to dezincification
- Good castability
- Good thermal and electrical conductivity
- Excellent machinability

### MECHANICAL PROPERTIES

Property	Value
Elongation A50 mm	10 %
Hardness Brinell	65 HB
Tensile Strength	230 N/mm <sup>2</sup>
0.2% Proof Stress	110 N/mm <sup>2</sup>

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