

## BS 1400 LG1

## COPPER ALLOY

LEADED GUNMETAL LG1

CC490K / LG1 is a leaded gunmetal a reasonable strength and good corrosion resistance in domestic water systems even at elevated temperatures. It also offers an excellent machinability rating and good wear resistance properties. The CC490 / LG1 material can be used in environments up to 200°C and can be offered in thinner walled sections.

### Chemical Properties

Cu	Sn	Zn	Pb
84	3	8	5

### Mechanical Properties

Yield strength	Tensile strength	Elongation	Hardness
Min 0.2% Mpa	Min Mpa	Min %	HRB
100	220	12	70

### Physical Properties

Density	Elastic Modulus	Mean Coefficient of Thermal	Thermal Conductivity
(Kg/m <sup>3</sup> )	(Gpa)	Expansion (µm/m/°C)	(W/m.K)
8.7	89	18	61

### Equivalent Designation

UNS CC490K  
BS 1400 LG1  
Din CuSn2ZnPb  
CC490K

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