

**DATA SHEET:**

**Lead tin bronze: EN 1982: CuSn7Pb15-C (CC496K) (LTP115)**

**Correspondence of Standards: DIN EN 1982 CuSn7Pb15-C, UNS C 93800, BS 1400 LB1**

**Typical mechanical properties: (GZ=Centrifugal casting, GC=Continuous casting)**

Min values	0,2 %-proof strength N/mm <sup>2</sup>	Tensile strength N/mm <sup>2</sup>	Elongation A %	Hardness HB
GZ	90	200	7	65
GC	90	200	8	65

**Physical properties:**

Density kg/dm	Coefficient thermal expansion 10 <sup>-6</sup> x 1/K	Thermal conductivity W/Km	Resistivity nΩm
9,2	19	50	170

**Corrosion resistance: (Relative scale for copper alloys: 1 – 5, where 5 means best resistance)**

Air, fresh water	Sea water	Soap solution, alcalic	Weak acids	Strong nonoxidizing acids
5	4	4	4	2

**Nominal composition %:**

	Cu	Sn	Pb	Zn	Ni	P	Fe	Si	Mn	Al	S	Sb
min.	74,0	6,0	13,0	-	0,5	-	-	-	-	-	-	-
max.	80,0	8,0	17,0	2,0	2,0	0,10	0,25	0,01	0,20	0,01	0,10	0,5

**Recommended use:**

Quite soft leaded tin bronze, which has good sliding and emergency lubrication properties. Resistance to even sulphuric acid is good. Excellent machinability.

**USE**

For heavy surface pressure sliding bearings with edge pressure. Endures temporary lack of lubrication material for a short time. Suitable for use as bearings of big earth moving machines, as piston-pin bushings in big ship diesel engines and as sliding rings of the piston, in mixers, mill equipment and water pump bearings, rotating drum bearings and in stretching machine bearings without white metal lining.

Our customer service advices on material selection for different uses: [info@keskipakovalu.fi](mailto:info@keskipakovalu.fi) and phone +358 3 357 9000.