

	WISCO ALLOY SPECIFICATION www.wisco.es	W-Pb15
	CuSn7Pb15-C (CC496K) EN 1982	

1. Requirements

Chemical Composition (%)												
	Cu ¹	Ni	P	Pb	Sn	Zn	Al	Fe	Mn	S	Sb	Si
Min.	74,0	0,5	-	13,0	6,0	-	-	-	-	-	-	-
Max.	80,0	2,0	0,10	17,0	8,0	2,0	0,01	0,25	0,20	0,10	0,5	0,01

¹ Including nickel.
Note: specified impurities are shown in light type.

Mechanical properties (Minimum values)				
Casting process and designation	Tensile strength R _m (MPa)	0,2% proof strength R _{p0,2} (MPa)	Elongation 5D A (%)	HBW 10/1000
Continuous (GC) ¹	200	90	8	65
Centrifugal (GZ)	200	90	7	65

¹ The mechanical property requirements given apply to sizes up to and including 300 mm external diameter. For larger continuous castings, the mechanical property requirements should be agreed between the supplier and the purchaser (8.2.2 Note 6 EN 1982).

2. Closest International standards

Standard		Alloy	Status
Europe	BS 1400 DIN 1716 NFA 53707 UNE 37103-2	LB1 CuPb15Sn n/a C-3330 (CuSn8Pb15)	Withdrawn
USA	ASTM B505 ASTM B271	C93800 (SAE 67)	Active
Australia	AS 1565	n/a	Active
Japan	JIS H5121 JIS H5120	CAC604C CAC604	Active
ISO	1338	CuPb15Sn8	Withdrawn

3. Optional Heat Treatments at customers request

- Not applicable.

4. Technical Characteristics

- Material with good sliding properties.
- Suitable for use in applications where there is a lack of lubrication.
- Material resistant to sulfuric acid.
- Material suitable for bearings working at high speeds and withstanding medium/average loads.