

	WISCO ALLOY SPECIFICATION www.wisco.es	W-Pb10
	CuSn10Pb10-C (CC495K) EN 1982	

1. Requirements

Chemical Composition (%)												
	Cu ¹	Ni	P	Pb	Sn	Zn	Al	Fe	Mn	S	Sb	Si
Min.	78,0	-	-	8,0	9,0	-	-	-	-	-	-	-
Max.	82,0	2,0	0,10	11,0	11,0	2,0	0,01	0,25	0,2	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	220	110	8	70
Centrifugal (GZ)	220	110	6	70

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Europe	BS 1400 DIN 1716 NFA 53707 UNE 37103-2	LB2 CuPb10Sn CuSn10Pb10 C-3320 (CuSn10Pb10)	Withdrawn
USA	ASTM B505 ASTM B271	C93700 (SAE 64)	Active
Australia	AS 1565	C93700	Active
Japan	JIS H5121 JIS H5120	CAC603C CAC603	Active
ISO	1338	CuPb10Sn10	Withdrawn

3. Optional Heat Treatments at customers request

- Not applicable.

4. Technical Characteristics

- Material with high resistance to wear and traction.
- Material with excellent anti-friction properties.
- Corrosion resistant.
- Suitable for friction bearings for applications with high speeds, pressures, impacts and vibrations.