

# Material Data Sheet



## BÖGRA - PSN4

*CuSn10Ni3Pb2-C*

Chemical Composition [wt%]	
Cu	remainder
Sn	10,0
Ni	3,4
Pb	2,6
P	<1,5

### Material Designation

Bögra: **PSN4** according to Production-Specification BT-PSN4-227

DIN: not standardized

### Material-No.

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### Supplied as

- Machined Slide Bearings
- Semi-finished products: rods, tubes, profiles, flat bars

### Applications

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Physical properties (standard values)			
Condition		GC	GM
Density	$\rho$ [kg/dm <sup>3</sup> ]	8,9	
Coefficient of thermal expansion	$\alpha$ [*10 <sup>-6</sup> /K]	-	
Electrical conductivity	$\kappa$ [MS/m]	6,6	
Modulus of elasticity	E [kN/mm <sup>2</sup> ]	-	

Mechanical properties (standard values)			
Condition		GC	GM
Brinell Hardness	HBW	Min. 75	
0,2% - proofstress	R <sub>p0,2</sub> [N/mm <sup>2</sup> ]	Min. 250	
Tensile strength	R <sub>m</sub> [N/mm <sup>2</sup> ]	Min. 450	
Elongation	A [%]	8	
Compressive strength	R <sub>d</sub> [N/mm <sup>2</sup> ]	-	
Max. loading pressure	p <sub>zul.</sub> [N/mm <sup>2</sup> ]	-	

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