

## CuZn39Pb3 | Flat bars

DATA SHEET



<b>Alloy</b>	CuZn39Pb3, CW614N
<b>Condition</b>	drawn (< 60x50 mm) extruded (> 60x50 mm)
<b>Norm</b>	DIN EN 12164/12167
<b>Tolerance</b>	DIN EN 12167 class C
<b>Machinability</b>	very good
<b>Hot Workability</b>	very good
<b>Cold Workability</b>	bad
<b>REACH</b>	information obligations
<b>RoHS</b>	not conform

### Mechanical Properties

	Tensile strength $R_m$	Yield stress $R_{p0,2}$	Elongation A	Hardness HB
thickness 3-20 mm R430-H110	$\geq 430 \text{ N/mm}^2$	$\geq 220 \text{ N/mm}^2$	$\geq 10\%$	110-160
thickness 21-40 mm R360-H090	$\geq 360 \text{ N/mm}^2$	$\geq 320 \text{ N/mm}^2$	$\geq 20\%$	90-125
Others „M“	as manufactured			

Main alloy for machining, Drilling and turning quality, for automatic machine processing. Turned parts of all kinds. Good heat formability. Die forging. Bad cold formability.

### Chemical Analysis

Cu	57.0-59.0%
Al	max. 0.05%
Fe	max. 0.3%
Ni	max. 0.3%
Pb	2.5-3.5%
Sn	max. 0.3%
Zn	Rest
Others	max. 0.2%

### Comparable Specifications

CuZn39Pb3 (Ms58), 2.0401, DIN 17660  
C38500 UNS  
CZ 121-Pb3, BS 2870-2875