

## CuZn21Si3P | Flat bars

# DATA SHEET



Alloy	CuZn21Si3P, CW724R
Condition	drawn, annealed, Length app. 3 mtrs.
Norm	DIN EN 12167
Tolerance	Tolerance according to DIN EN 12167, Class C
Machinability	very good
Hot Workability	good
Cold Workability	good
Corrosion resistance	good
REACH	no obligations
RoHS	conform

### Mechanical Properties

	Tensile strength $R_m$	Yield stress $R_{p0.2}$	Elongation A	Hardness HBW
R500-H130	$\geq 500 \text{ N/mm}^2$	$< 450 \text{ N/mm}^2$	$\geq 15 \%$	130-180

CW724R/CuZn21 Si3P is a lead-free, high performance special brass alloyed with silicon. It has high hardness and tensile strength while it exhibits very good resistance against dezincification and stress corrosion cracking. It satisfies the ELV and RoHS regulations and meets the E.U. drinking water requirements. It has been widely used around the world and applications can be found in many industries such as electrical and electronics, automotive, sanitary.

### Chemical Analysis

Cu	75.0 - 77.0 %
Al	max. 0.05 %
Fe	max. 0.3 %
Mn	max. 0.05 %
Ni	max. 0.2 %
P	0.02 - 0.10 %
Pb	max. 0.1 %
Si	2.7 - 3.5 %
Sn	max. 0.3 %
Zn	Rest
Others	max. 0.2 %

### Comparable Specifications

C 69300