CuZn21Si3P | Round bars

DATA SHEET

Alloy	CuZn21Si3P, CW724R
Condition	up to Ø 60 mm drawn, extruded from Ø 61 mm, annealed, both sides chamfered, Length app. 3 mtrs.
Norm	DIN EN 12164
Tolerance	DIN 1756, h10 Ø 5-6 mm +0/-0.05 mm Ø 7-11 mm +0/-0.06 mm Ø 12-18 mm +0/-0.07 mm Ø 19-32 mm +0/-0.08 mm Ø 33-50 mm +0/-0.16 mm Ø 51-60 mm +0/-0.19 mm Ø 61- 120 mm +0/-1.2 mm

Machinability	very good
Hot Workability	good
Cold Workability	good
Corrosion resistence	good
REACH	no obligations
RoHS	conform

Mechanical Properties

	Tensile strength R_m	Yield stress $R_{p\,0,2}$	Elongation A	Hardness HB
Ø 2-9 mm R670-H170	≥ 670 N/mm²	≥ 400 N/mm²	≥ 10 %	170-220
Ø 10-40 mm R600-H150	≥ 600 N/mm²	≥ 300 N/mm²	≥ 12 %	150-220
Ø 41-80 mm R500-H130	≥ 500 N/mm²	< 450N/mm²	≥ 15 %	130-180

CW724R/CuZn21Si3P 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

C69300

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