

Brass

CuZn5 / CW500L / C21000 / CZ125

Version 1

Reference standard: EN 1652

Symbol	Number	Element	Cu	Fe	Ni	Sn	Zn	Density g/cm ³
CuZn5	CW500L	Min %	.94	-	-	-	Rem	8.8
		Max %	.96	0.05	0.3	0.1	-	

CuZn5 has good cold forming, welding and brazing properties.

Typical Tensile Strength N/mm ²		
R270 (annealed)	R270	R340
230-280	270-350	340 min

Physical Properties:

- Resistivity: 0.029 ($\Omega \times \text{mm}^2/\text{m}$)
- Temperature coefficient of resistance at 20-100°C (1/K): 0.0035
- Elongation at soft temper: >30%

Tolerances:

<0.25mm	±0.005mm
0.25-0.50mm	±0.008mm
0.50-1.00mm	±0.012mm
1.00-2.00mm	±0.02mm
2.00-4.00mm	±0.03mm

Typical applications:

- Jewellery and ornamental trims
- Components for the electrical industry
- Industrial fasteners
- Coinage, medals
- Resistance wire



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