Copper Nickel Alloys



CuNi2 / 2.0802 / C70200

Version 2

Reference standard: DIN 17471

Symbol	Element	Cu	Ni	Density g/cm³
CuNi2	Min %	-	-	8.9
	Max %	Bal	2	

Physical Properties:

- Resistivity (soft): 0.0488 (Ω x mm2/m)
- Temperature coefficient of resistance: 0.13 (%/K)
- Conductivity soft (MS/m): 20.5
- Elongation at soft temper: >25%
- Tensile strength soft: 300 N/mm²

Size 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:

• Resistance wire



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