Copper Nickel Alloys



CuNi44 / 2.0842 / C72150

Version 2

Reference standard: DIN 17471

Symbol	Element	Cu	Ni	Density g/cm³
CuNi44	Min %	-	-	8.9
	Max %	Bal	44	

Physical Properties:

- Resistivity (soft): 0.50 (Ω x mm2/m)
- Temperature coefficient of resistance: 0.00004 1/K
- Conductivity soft (MS/m): 2
- Elongation at soft temper: >25%
- Tensile strength soft: 500 N/mm²

Size Tolerances:

0.0-	0 0 0 -
<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



Chaplin Bros. (Birmingham) Limited Reddicap Trading Estate Sutton Coldfield West Midlands B75 7BU, England

Tel: +44(0)121 378 0565 Email: sales@chaplinwire.com www.chaplinwire.com



The information stated in this data sheet is for information purposes only. It has been complied to the best of our knowledge and while we endeavour to keep the information up to date and correct, we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information. Any reliance you place on such information is therefore strictly at your own risk.