

# Nickel Alloy

## 80/20 NiCr / 2.4869 / NO6003

Version 2

Symbol	Element	Ni	Cr	Fe	C	Mg	Si	Cu	Ai	Density g/cm <sup>3</sup>
80/20 NiCr	Min %	Rem	19.0	-	-	-	1.0	-		8.4
	Max %	-	21.0	1.0	0.08	1.0	1.5	0.5	0.02	

### Physical Properties:

- Resistivity: 1.09 ( $\Omega \times \text{mm}^2/\text{m}$ )
- Melting Point: 1400 °C
- Temperature coefficient of resistance (20 - 100°C 1/K): 0.0001
- Elongation at soft temper: >25%

### 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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