

## Alloy Wire International RW 45 Ni-Cu Resistance Wire

Category : Metal , Nonferrous Metal , Copper Alloy

**Material Notes:**

Used in thermocouples, power resistors, shunts, and wire wound precision restors up to 750°F (400°C)Information provided by Alloywire International.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Alloy-Wire-International-RW-45-Ni-Cu-Resistance-Wire.php](http://www.lookpolymers.com/polymer_Alloy-Wire-International-RW-45-Ni-Cu-Resistance-Wire.php)

Physical Properties	Metric	English	Comments
Density	8.89 g/cc	0.321 lb/in <sup>3</sup>	

Thermal Properties	Metric	English	Comments
CTE, linear	14.7 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	8.17 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 - 100 °C	@Temperature 68.0 - 212 °F	
Melting Point	1270 °C	2320 °F	
Maximum Service Temperature, Air	400 °C	752 °F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	55 %	55 %	
Nickel, Ni	45 %	45 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000490 ohm-cm	0.0000490 ohm-cm	
	@Temperature 20.0 °C	@Temperature 68.0 °F	

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