

## Eagle Brass 7026 Copper Nickel, 1/2 Hard

Category : Metal , Nonferrous Metal , Copper Alloy

**Material Notes:**

7026 is a high performance alloy used in springs, terminals, elevated temperature interconnects and high reliability telecommunication components. Information provided by Eagle Brass Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eagle-Brass-7026-Copper-Nickel-12-Hard.php](http://www.lookpolymers.com/polymer_Eagle-Brass-7026-Copper-Nickel-12-Hard.php)

Physical Properties	Metric	English	Comments
Density	8.86 g/cc	0.320 lb/in <sup>3</sup>	Annealed

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	621 - 758 MPa	90000 - 110000 psi	
Tensile Strength, Yield	>= 586 MPa	>= 85000 psi	0.2% offset
Elongation at Break	>= 4.0 %	>= 4.0 %	in 2 in.
Tensile Modulus	131 GPa	19000 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	18.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	10.0 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 20.0 - 300 $^{\circ}\text{C}$	@Temperature 68.0 - 572 $^{\circ}\text{F}$	
Thermal Conductivity	15.6 W/m-K	108 BTU-in/hr-ft <sup>2</sup> - $^{\circ}\text{F}$	

Component Elements Properties	Metric	English	Comments
Copper, Cu	97 %	97 %	
Nickel, Ni	2.0 %	2.0 %	
Silicon, Si	0.40 %	0.40 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000445 ohm-cm	0.00000445 ohm-cm	Annealed

## Contact Songhan Plastic Technology Co.,Ltd.

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