

## Eagle Brass 101 OFE COPPER (Certified), Annealed

Category : Metal , Nonferrous Metal , Copper Alloy

**Material Notes:**

Alloy 101 is known as Oxygen-Free Electronic (OFE). It reaches a minimum of 101% IACS conductivity rating. It is the most expensive out of the 101- 110 group because of its higher purity. Information provided by Eagle Brass Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eagle-Brass-101-OFE-COPPER-Certified-Annealed.php](http://www.lookpolymers.com/polymer_Eagle-Brass-101-OFE-COPPER-Certified-Annealed.php)

Physical Properties	Metric	English	Comments
Density	8.94 g/cc	0.323 lb/in <sup>3</sup>	Annealed

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	179 - 262 MPa	26000 - 38000 psi	
Tensile Strength, Yield	41.4 - 89.6 MPa	6000 - 13000 psi	0.2% offset
Elongation at Break	20 - 50 %	20 - 50 %	in 2 in.
Tensile Modulus	117 GPa	17000 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	17.6 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	9.80 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 20.0 - 300 $^{\circ}\text{C}$	@Temperature 68.0 - 572 $^{\circ}\text{F}$	
Thermal Conductivity	390.8 W/m-K	2712 BTU-in/hr-ft <sup>2</sup> - $^{\circ}\text{F}$	

Component Elements Properties	Metric	English	Comments
Copper, Cu	$\geq 99.99\%$	$\geq 99.99\%$	
Oxygen, O	$\leq 0.00050\%$	$\leq 0.00050\%$	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000176 ohm-cm	0.00000176 ohm-cm	Annealed

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China