

Eagle Brass 102 OF COPPER (Non-Certified), Annealed

Category : Metal , Nonferrous Metal , Copper Alloy

Material Notes:

Alloy 102 is an oxygen-free copper which has better forming, resistance to hydrogen embrittlement, and brazing characteristics than C110 ETP. C102 has good solder-ability and corrosion resistance and is used for high current applications. Information provided by Eagle Brass Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eagle-Brass-102-OF-COPPER-Non-Certified-Annealed.php

Physical Properties	Metric	English	Comments
Density	8.94 g/cc	0.323 lb/in ³	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 ² - $^{\circ}\text{F}$	

Component Elements Properties	Metric	English	Comments
Copper, Cu	$\geq 99.9\%$	$\geq 99.9\%$	
Oxygen, O	$\leq 0.0010\%$	$\leq 0.0010\%$	

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

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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