

Eagle Brass 762 Nickel Silver 12%, 1/2 Hard

Category : Metal , Nonferrous Metal , Nickel Alloy

Material Notes:

762 is a nickel silver alloy that has excellent strength, stress relaxation resistance, and solderability. Due to it being extremely resistant to corrosion it doesn't tarnish easily and has a long shelf life. Typical uses include springs for relays, condensers, and decorative belt buckles. Information provided by Eagle Brass Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eagle-Brass-762-Nickel-Silver-12-12-Hard.php

Physical Properties	Metric	English	Comments
Density	8.58 g/cc	0.310 lb/in ³	Annealed

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell 30T	69 - 77	69 - 77	Thickness > 0.020 Inch
Tensile Strength, Ultimate	517 - 627 MPa	75000 - 91000 psi	
Tensile Strength, Yield	414 - 607 MPa	60000 - 88000 psi	0.2% offset
Elongation at Break	6.0 - 30 %	6.0 - 30 %	in 2 in.
Tensile Modulus	124 GPa	18000 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	16.2 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	9.00 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	
	@Temperature 20.0 - 300 $^{\circ}\text{C}$	@Temperature 68.0 - 572 $^{\circ}\text{F}$	
Thermal Conductivity	41.5 W/m-K	288 BTU-in/hr-ft ² - $^{\circ}\text{F}$	

Component Elements Properties	Metric	English	Comments
Copper, Cu	59 %	59 %	
Nickel, Ni	12 %	12 %	
Zinc, Zn	29 %	29 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000198 ohm-cm	0.0000198 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