

## Eagle Brass 260 Cartridge Brass, 1/2 Hard

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

**Material Notes:**

Alloy C260 is commonly used for electrical components, electronic parts, and mechanical fasteners. The alloy has good strength but poor stress relaxation characteristics and does not make a particularly good spring material. The solderability of the alloy is severely impaired by its high zinc content. Information provided by Eagle Brass Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eagle-Brass-260-Cartridge-Brass-12-Hard.php](http://www.lookpolymers.com/polymer_Eagle-Brass-260-Cartridge-Brass-12-Hard.php)

Physical Properties	Metric	English	Comments
Density	8.53 g/cc	0.308 lb/in <sup>3</sup>	Annealed

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell 30T	56 - 66	56 - 66	Thickness > 0.020 Inch
Tensile Strength, Ultimate	393 - 462 MPa	57000 - 67000 psi	
Tensile Strength, Yield	290 - 414 MPa	42000 - 60000 psi	0.2% offset
Elongation at Break	19 - 42 %	19 - 42 %	in 2 in.
Tensile Modulus	110 GPa	16000 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	20.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	11.1 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 - 300 °C	@Temperature 68.0 - 572 °F	
Thermal Conductivity	121 W/m-K	840 BTU-in/hr-ft <sup>2</sup> -°F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	70 %	70 %	
Zinc, Zn	30 %	30 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000636 ohm-cm	0.00000636 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