

## Eagle Brass 260 Cartridge Brass, Extra Spring

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-Extra-Spring.php](http://www.lookpolymers.com/polymer_Eagle-Brass-260-Cartridge-Brass-Extra-Spring.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     | 77 - 79       | 77 - 79            | Thickness > 0.020 Inch |
| Tensile Strength, Ultimate | 655 - 717 MPa | 95000 - 104000 psi |                        |
| Tensile Strength, Yield    | 593 - 641 MPa | 86000 - 93000 psi  | 0.2% offset            |
| Elongation at Break        | 1.0 - 2.0 %   | 1.0 - 2.0 %        | 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