

Eagle Brass 240 Low Brass, Extra Hard

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

Material Notes:

CDA 240 has excellent ductility, corrosion resistance and strength which allows it to be deep drawn, etched, stamped, blanked and bent.

Typical uses include musical instruments, battery caps, flexible hose, and decorative pieces because of its yellow color. Information provided by Eagle Brass Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eagle-Brass-240-Low-Brass-Extra-Hard.php

Physical Properties	Metric	English	Comments
Density	8.66 g/cc	0.313 lb/in ³	Annealed

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell 30T	72 - 75	72 - 75	Thickness > 0.020 Inch
Tensile Strength, Ultimate	538 - 600 MPa	78000 - 87000 psi	
Tensile Strength, Yield	448 - 496 MPa	65000 - 72000 psi	0.2% offset
Elongation at Break	2.0 - 3.0 %	2.0 - 3.0 %	in 2 in.
Tensile Modulus	110 GPa	16000 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	19.1 $\mu\text{m}/\text{m}\cdot\text{°C}$	10.6 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 - 300 °C	@Temperature 68.0 - 572 °F	
Thermal Conductivity	140 W/m-K	972 BTU-in/hr-ft ² -°F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	80 %	80 %	
Zinc, Zn	20 %	20 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000556 ohm-cm	0.00000556 ohm-cm	Annealed

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