

## Chicago Extruded Metals BioBrass® UNS C64200 Aluminum Bronze

Category : Metal , Nonferrous Metal , Copper Alloy , Bronze

### Material Notes:

Finished product available as bar, rod, forged, or shapes. Chicago Extruded Metal temper codes: H02, M30 This alloy is registered with the U.S. EPA as Antimicrobial. Information provided by Chicago Extruded Metals

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chicago-Extruded-Metals-BioBrass-UNS-C64200-Aluminum-Bronze.php](http://www.lookpolymers.com/polymer_Chicago-Extruded-Metals-BioBrass-UNS-C64200-Aluminum-Bronze.php)

Physical Properties	Metric	English	Comments
Density	7.70 g/cc	0.278 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	77 - 98	77 - 98	
Tensile Strength	517 - 703 MPa	75000 - 102000 psi	
Tensile Strength, Yield	241 - 469 MPa	35000 - 68000 psi	
Elongation at Break	22 - 32 %	22 - 32 %	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	104 W/m-K	720 BTU-in/hr-ft <sup>2</sup> -°F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	6.3 - 7.6 %	6.3 - 7.6 %	
Copper, Cu	>= 88.5 %	>= 88.5 %	as balance
Iron, Fe	<= 0.30 %	<= 0.30 %	
Lead, Pb	<= 0.050 %	<= 0.050 %	
Manganese, Mn	<= 0.10 %	<= 0.10 %	
Nickel, Ni	<= 0.25 %	<= 0.25 %	
Other, total	0.50 %	0.50 %	
Silicon, Si	1.5 - 2.2 %	1.5 - 2.2 %	
Tin, Sn	<= 0.20 %	<= 0.20 %	
Zinc, Zn	<= 0.30 %	<= 0.30 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000216 ohm-cm	0.0000216 ohm-cm	

## 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