

Chicago Extruded Metals BioBrass® UNS C27000 Copper-Zinc Alloy

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

Material Notes:

Finished product available as wire, rod, or tube. Chicago Extruded Metal temper codes: H01, H02, H04 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-C27000-Copper-Zinc-Alloy.php

Physical Properties	Metric	English	Comments
Density	8.47 g/cc	0.306 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	55	55	
Tensile Strength	331 - 827 MPa	48000 - 120000 psi	
Tensile Strength, Yield	110 - 276 MPa	16000 - 40000 psi	
Elongation at Break	3.0 - 66 %	3.0 - 66 %	
Machinability	30 %	30 %	UNS C36000 (free-cutting brass) = 100%

Thermal Properties	Metric	English	Comments
Thermal Conductivity	116 W/m-K	804 BTU-in/hr-ft ² -°F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	63 - 68.5 %	63 - 68.5 %	
Iron, Fe	0.070 %	0.070 %	
Lead, Pb	0.090 %	0.090 %	
Other, total	0.30 %	0.30 %	
Zinc, Zn	31.04 - 36.54 %	31.04 - 36.54 %	as balance

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000639 ohm-cm	0.00000639 ohm-cm	

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