

Chicago Extruded Metals BioBrass® UNS C26000 Copper-Zinc Alloy

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

Material Notes:

Finished product available as bar, 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-C26000-Copper-Zinc-Alloy.php

Physical Properties	Metric	English	Comments
Density	8.53 g/cc	0.308 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	60 - 82	60 - 82	
Tensile Strength	324 - 896 MPa	47000 - 130000 psi	
Tensile Strength, Yield	103 - 441 MPa	15000 - 64000 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	121 W/m-K	840 BTU-in/hr-ft ² -°F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	68.5 - 71.5 %	68.5 - 71.5 %	
Iron, Fe	0.050 %	0.050 %	
Lead, Pb	0.070 %	0.070 %	
Other, total	0.30 %	0.30 %	
Zinc, Zn	28.08 - 31.08 %	28.08 - 31.08 %	as balance

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000616 ohm-cm	0.00000616 ohm-cm	

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