

Chicago Extruded Metals BioBrass® UNS C22600 Copper-Zinc Alloy

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

Material Notes:

Finished product available as bar or wire.Chicago Extruded Metal temper codes: H01, H02, H04This 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-C22600-Copper-Zinc-Alloy.php

Physical Properties	Metric	English	Comments
Density	8.77 g/cc	0.317 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	70	70	
Tensile Strength	276 - 669 MPa	40000 - 97000 psi	
Tensile Strength, Yield	75.8 - 427 MPa	11000 - 62000 psi	
Elongation at Break	3.0 - 45 %	3.0 - 45 %	
Machinability	30 %	30 %	UNS C36000 (free-cutting brass) = 100%

Thermal Properties	Metric	English	Comments
Thermal Conductivity	173 W/m-K	1200 BTU-in/hr-ft ² -°F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	86 - 89 %	86 - 89 %	
Iron, Fe	0.050 %	0.050 %	
Lead, Pb	0.050 %	0.050 %	
Other, total	0.20 %	0.20 %	
Zinc, Zn	10.7 - 13.7 %	10.7 - 13.7 %	as balance

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000431 ohm-cm	0.00000431 ohm-cm	

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