

Chicago Extruded Metals BioBrass® UNS C62300 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-C62300-Aluminum-Bronze.php

Physical Properties	Metric	English	Comments
Density	7.67 g/cc	0.277 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	80 - 89	80 - 89	
Tensile Strength	517 - 676 MPa	75000 - 98000 psi	
Tensile Strength, Yield	241 - 359 MPa	35000 - 52000 psi	
Elongation at Break	22 - 35 %	22 - 35 %	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	86.5 W/m-K	600 BTU-in/hr-ft ² -°F	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	8.5 - 10 %	8.5 - 10 %	
Copper, Cu	>= 83.15 %	>= 83.15 %	as balance
Iron, Fe	2.0 - 4.0 %	2.0 - 4.0 %	
Manganese, Mn	<= 0.50 %	<= 0.50 %	
Nickel, Ni	<= 1.0 %	<= 1.0 %	
Other, total	0.50 %	0.50 %	
Silicon, Si	<= 0.25 %	<= 0.25 %	
Tin, Sn	<= 0.60 %	<= 0.60 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.0000144 ohm-cm	0.0000144 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