

Chicago Extruded Metals UNS C48200 Copper-Zinc-Tin Alloy

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

Material Notes:

Copper-Zinc-Tin Alloy (Naval Brass) Finished product available as bar, rod, forged, or shapes. Chicago Extruded Metal temper codes: H01, H02, H04, M30 Information provided by Chicago Extruded Metals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chicago-Extruded-Metals-UNS-C48200-Copper-Zinc-Tin-Alloy.php

Physical Properties	Metric	English	Comments
Density	8.44 g/cc	0.305 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	55 - 82	55 - 82	
Tensile Strength	386 - 517 MPa	56000 - 75000 psi	
Tensile Strength, Yield	172 - 365 MPa	25000 - 53000 psi	
Elongation at Break	15 - 43 %	15 - 43 %	
Machinability	50 %	50 %	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	59 - 62 %	59 - 62 %	
Iron, Fe	0.10 %	0.10 %	
Lead, Pb	0.40 - 1.0 %	0.40 - 1.0 %	
Other, total	0.40 %	0.40 %	
Tin, Sn	0.50 - 1.0 %	0.50 - 1.0 %	
Zinc, Zn	35.5 - 39.6 %	35.5 - 39.6 %	as balance

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000663 ohm-cm	0.00000663 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