

## Chicago Extruded Metals UNS C37700 Copper-Zinc-Lead Alloy

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

**Material Notes:**

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

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Chicago-Extruded-Metals-UNS-C37700-Copper-Zinc-Lead-Alloy.php](http://www.lookpolymers.com/polymer_Chicago-Extruded-Metals-UNS-C37700-Copper-Zinc-Lead-Alloy.php)

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

Mechanical Properties	Metric	English	Comments
Tensile Strength	359 MPa	52000 psi	
Tensile Strength, Yield	138 MPa	20000 psi	
Elongation at Break	45 %	45 %	
Machinability	80 %	80 %	UNS C36000 (free-cutting brass) = 100%

Thermal Properties	Metric	English	Comments
Thermal Conductivity	119 W/m-K	828 BTU-in/hr-ft <sup>2</sup> -°F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	58 - 61 %	58 - 61 %	
Iron, Fe	0.30 %	0.30 %	
Lead, Pb	1.5 - 2.5 %	1.5 - 2.5 %	
Other, total	0.50 %	0.50 %	
Zinc, Zn	35.7 - 39.7 %	35.7 - 39.7 %	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](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

**Tel : +86 021-51131842**

**Mobile : +86 13061808058**

**Skype : lookpolymers**

**Address : United North Road 215,Fengxian District, Shanghai City,China**