

Chicago Extruded Metals UNS C38500 Copper-Zinc-Lead Alloy

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

Material Notes:

Copper-Zinc-Lead Alloy (Leaded Brass) Finished product available in shapes. Chicago Extruded Metal temper codes: H01, H02 Information provided by Chicago Extruded Metals

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chicago-Extruded-Metals-UNS-C38500-Copper-Zinc-Lead-Alloy.php

Physical Properties	Metric	English	Comments
Density	8.47 g/cc	0.306 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	65	65	
Tensile Strength	414 MPa	60000 psi	
Tensile Strength, Yield	138 MPa	20000 psi	
Elongation at Break	30 %	30 %	
Machinability	90 %	90 %	UNS C36000 (free-cutting brass) = 100%

Thermal Properties	Metric	English	Comments
Thermal Conductivity	123 W/m-K	852 BTU-in/hr-ft ² -°F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	55 - 59 %	55 - 59 %	
Iron, Fe	0.35 %	0.35 %	
Lead, Pb	2.5 - 3.5 %	2.5 - 3.5 %	
Other, total	0.50 %	0.50 %	
Zinc, Zn	36.65 - 41.65 %	36.65 - 41.65 %	as balance

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000615 ohm-cm	0.00000615 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