

Chicago Extruded Metals UNS C35000 Copper-Zinc-Lead Alloy

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_Chicago-Extruded-Metals-UNS-C35000-Copper-Zinc-Lead-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	60 - 80	60 - 80	
Tensile Strength	276 - 552 MPa	40000 - 80000 psi	
Tensile Strength, Yield	103 - 172 MPa	15000 - 25000 psi	
Elongation at Break	7.0 - 56 %	7.0 - 56 %	
Machinability	70 %	70 %	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	60 - 63 %	60 - 63 %	
Iron, Fe	0.10 %	0.10 %	
Lead, Pb	0.80 - 2.0 %	0.80 - 2.0 %	
Other, total	0.40 %	0.40 %	
Zinc, Zn	34.5 - 38.7 %	34.5 - 38.7 %	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