

Mueller Alloy 3770 Forging Brass (UNS C37700)

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

Material Notes:

General forging applicationsApplications: Alloy 3770 is used as rod base stock for press and hammer forgings requiring the excellent corrosion resistance and machinability of brass. Typical applications include valve bodies, hardware, fittings and miscellaneous brass forgings.Information Provided by Mueller Industries Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mueller-Alloy-3770-Forging-Brass-UNS-C37700.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	78	78	
Tensile Strength at Break	359 MPa	52000 psi	
Tensile Strength, Yield	138 MPa	20000 psi	
Elongation at Break	45 %	45 %	
Machinability	90 %	90 %	UNS C36000 = 100%

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 %	
Zinc, Zn	36.2 - 40.5 %	36.2 - 40.5 %	Remainder

Processing Properties	Metric	English	Comments
Processing Temperature	260 Â°C	500 Â°F	Stress Relieving
Hot-Working Temperature	649 - 704 Â°C	1200 - 1300 Â°F	

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