

## Mueller Alloy 3450 Leaded Brass (UNS C34500)

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

### Material Notes:

Used for screw machine products requiring some cold formability (i.e. crimping, knurling) Applications: The 3450 is used for screw machine applications requiring the ability to be cold formed either during, or subsequent to, machining. The material can be thread rolled, knurled, bent, flared, swaged or staked. Alloy 3450 exhibits somewhat superior ductility in relation to comparable (i.e. alloy 3530) alloys. Typical applications include valve terms, adapters, couplings, gears, pinions, flare fittings. Information Provided by Mueller Industries Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Mueller-Alloy-3450-Leaded-Brass-UNS-C34500.php](http://www.lookpolymers.com/polymer_Mueller-Alloy-3450-Leaded-Brass-UNS-C34500.php)

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	66	66	
Tensile Strength at Break	372 MPa	54000 psi	
Tensile Strength, Yield	234 MPa	34000 psi	
Elongation at Break	35 %	35 %	
Machinability	90 %	90 %	UNS C36000 = 100%

Component Elements Properties	Metric	English	Comments
Copper, Cu	62 - 65 %	62 - 65 %	
Iron, Fe	<= 0.15 %	<= 0.15 %	
Lead, Pb	1.5 - 2.5 %	1.5 - 2.5 %	
Zinc, Zn	32.5 - 36.5 %	32.5 - 36.5 %	Remainder

Processing Properties	Metric	English	Comments
Processing Temperature	260 Â°C	500 Â°F	Stress Relieving

## 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