



ALLOY

C27450

No Lead Plumbing Brass



To further compliment its offering of alloys and to provide a solution to today's new plumbing standards, **Mueller Brass Company** has developed the ideal alloy for machined and forging applications required to meet ABI 953.

With the customer in mind, Mueller Brass has developed its **C27450 No Lead Plumbing Brass** to not only comply with the new ABI 953 plumbing standards and applications, but also to optimize manufacturing and recyclability.



Why C27450?

- Good machineability
- Excellent forgeability
- Excellent brazing & plating
- Dezincification resistant
- Excellent thread rolling capability
- Scrap is completely recyclable with C36000, C37700, and other 'conventional' alloys
- Manufactured in the USA

Applications:

- Drinking water fixtures & fittings
- Forged valves & valve bodies
- Products requiring ABI 953 compliance
- Products requiring dezincification characteristics

Technical Information

Chemistry:

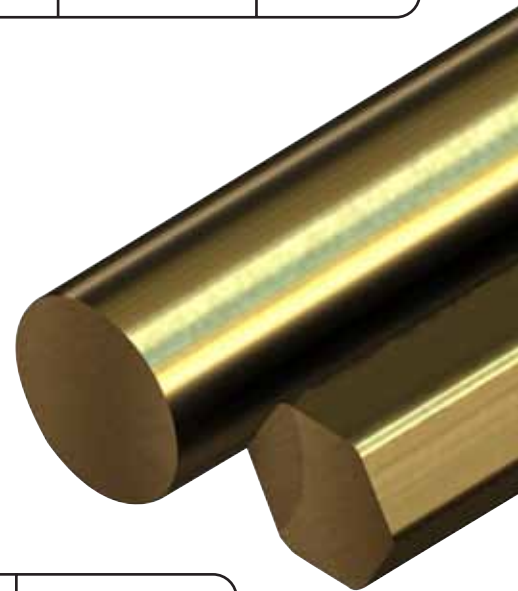
Cu	Pb	Fe	Zn	Others
60 ~ 65%	< 0.25 (max)	< 0.35	Rem	< 0.5%

Typical Mechanical Properties:

Rod H02	Tensile Strength (ksi)	Yield Strength (ksi)	Elongation (%)	Hardness (Rb)
	58	40	30%	55 ~ 75

Size and Shape Range:

Rounds	0.250" ~ 3.000"
Hexagons	0.250" ~ 3.000"



Fabrication Properties:

Soldering	Excellent	Plating	Excellent
Brazing	Excellent	Forgeability	95
Cold Working	Excellent	Machinability	70



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