



GREEN™
C27450 Lead Free Brass

As part of the Mueller Brass Company's EcoStream™ family of alloys & products, **GreenDrop™ C27450 Lead Free Brass** is the ideal material solution for manufacturers required to comply with local & national lead free legislation.

With the manufacturer in mind, Mueller Brass Company has developed its **GreenDrop™ C27450 Lead Free Brass** to not only aid in lead free compliance, but to optimize manufacturing efficiencies through productivity & complete recyclability.

No Silicon • No Bismuth • No Segregation

Because no detrimental additives or potential contaminants like **silicon** or **bismuth** are added, **GreenDrop™ C27450 Lead Free Brass** is completely recyclable with standard brass alloys that are commonly used today. Without having to retrofit existing scrap handling systems, losing precious machine time cleaning out machines for fear of contaminating valuable brass scrap, Mueller Brass Company's **GreenDrop™** can easily be integrated into production & can readily co-exist with conventional alloys like C36000, C34500, C37700 etc.



Advantages:

- Good machineability
- Excellent forgeability
- Excellent ability to Thread Roll
- Excellent Brazing & Plating
- Dezincification Resistant

Applications:

- Potable water components, fixtures & applications
- PEX plumbing applications & systems
- Forged products requiring lead free &/or dezincification compliance



Additional Resources:

Mueller Brass Company has developed two resources that will aid manufacturers, integrate & optimize efficiencies when converting to **GreenDrop™ C27450 Lead Free Brass** alloy:

- **Machining Reference Guide**
- **Trouble Shooting Guide**

Please contact Mueller Brass Company's Inside Sales or your local territory representative for more information.

Technical Information



Chemistry:

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

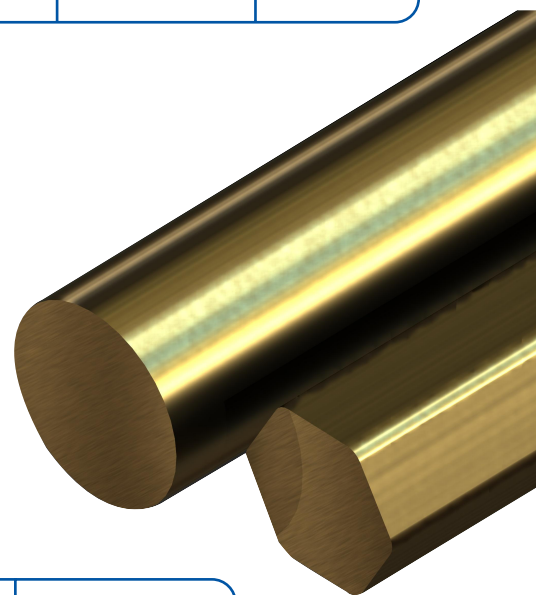
Typical Mechanical Properties:

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"

Other - Consult Mill



Fabrication Properties:

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

Port Huron Mill

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