

Mueller EcoStream™, Ç GreenDrop™, Ç C27450 Lead Free Plumbing Brass

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

Material Notes:

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 machinability Excellent forgeability Excellent brazing and plating Excellent ability to Thread Roll Dezincification

Resistant Applications: Potable water components, fixtures and applications PEX plumbing applications and systems Forged products requiring lead free and/or dezincification compliance Information Provided by Mueller Industries Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mueller-EcoStream-GreenDrop-C27450-Lead-Free-Plumbing-Brass.php

| Mechanical Properties | Metric | English | Comments |
|---------------------------|---------|-----------|----------|
| Hardness, Rockwell B | 55 - 75 | 55 - 75 | |
| Tensile Strength at Break | 400 MPa | 58000 psi | |
| Tensile Strength, Yield | 276 MPa | 40000 psi | |
| Elongation at Break | 30 % | 30 % | |
| Machinability | 70 % | 70 % | |
| Forgeability | 95 % | 95 % | |

| Component Elements Properties | Metric | English | Comments |
|-------------------------------|-------------|-------------|-----------|
| Copper, Cu | 60 - 65 % | 60 - 65 % | |
| Iron, Fe | <= 0.35 % | <= 0.35 % | |
| Lead, Pb | <= 0.25 % | <= 0.25 % | |
| Other | <= 0.50 % | <= 0.50 % | |
| Zinc, Zn | 33.9 - 40 % | 33.9 - 40 % | Remainder |

| Descriptive Properties | Value | Comments |
|------------------------|-----------|----------|
| Brazing | Excellent | |

| Descriptive Properties | Valueent | Comments |
|------------------------|-----------|----------|
| Plating | Excellent | |
| Soldering | Excellent | |

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