

Mueller EcoStream™ C36500 Uninhibited Leaded Muntz Metal

Category : Metal , Nonferrous Metal , Copper Alloy , Brass

Material Notes:

As one of the lower lead alloys offered in the EcoStream™ family of products, Mueller Brass Company's C36500 alloy provides a viable alternative to those manufacturers who are manufacturing products and components that require compliance with the recently approved "Reduction of Lead in Drinking Water Act." The legislation re-defines the term "lead free" to mean "... no more that a weighted average of 0.25% lead when used with respect to the wetted surfaces of pipes, plumbing fittings and fixtures." With this in mind, Mueller Brass Company's C36500 alloy provides a lower percentage lead alloy (versus conventional free cutting and forging alloys) that aids in the compliance to this legislation while maintaining machinability ratings near that of conventional free cutting brass. No Silicon • No Bismuth • No Segregation In addition to machinability ratings near that of free cutting brass, C36500 also possesses the virtues and merits of Mueller Brass Company's other EcoStream™ Lead Free and Low Lead alloys. Since no contaminating additives like bismuth or silicon are used in the production of this alloy, C36500 is completely recyclable with conventional brass alloys still widely being used for non-potable plumbing and industrial applications. Advantages: Excellent machinability Excellent forgeability Excellent Brazing and Plating Excellent ability to Thread Roll Completely recyclable Applications: Screw machine parts requiring lower lead content Potable water components, fixtures, and applications Forged components in LEAD FREE compliant products Information Provided by Mueller Industries Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mueller-EcoStream-C36500-Uninhibited-Leaded-Muntz-Metal.php

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	70 - 75	70 - 75	
Tensile Strength at Break	414 MPa	60000 psi	
Tensile Strength, Yield	276 MPa	40000 psi	
Elongation at Break	30 %	30 %	

Component Elements Properties	Metric	English	Comments
Copper, Cu	58 - 61 %	58 - 61 %	
Iron, Fe	<= 0.15 %	<= 0.15 %	
Lead, Pb	0.25 - 0.70 %	0.25 - 0.70 %	
Tin, Sn	<= 0.25 %	<= 0.25 %	
Zinc, Zn	37.9 - 41.75 %	37.9 - 41.75 %	Remainder

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