

## MetalTek AGMA CL A UNS C90800 Gear Bronze

Category : Metal , Nonferrous Metal , Copper Alloy , Bronze

**Material Notes:**

Copper-tin alloy with high tensile, yield and compressive strength as well as wear resistance. Applications: Worm gears, steel mill nuts  
Information provided by MetalTek Cast UNS C90800; Cast Grade C90800; Cast ASTM B427, B505

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MetalTek-AGMA-CL-A-UNS-C90800-Gear-Bronze.php](http://www.lookpolymers.com/polymer_MetalTek-AGMA-CL-A-UNS-C90800-Gear-Bronze.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	95	95	500 kg
Tensile Strength, Ultimate	>= 345 MPa	>= 50000 psi	
Tensile Strength, Yield	>= 195 MPa	>= 28300 psi	
Elongation at Break	>= 12 %	>= 12 %	

Component Elements Properties	Metric	English	Comments
Copper, Cu	87.8 %	87.8 %	
Phosphorous, P	0.20 %	0.20 %	
Tin, Sn	12 %	12 %	

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