

## MetalTek C86200 Med. Tensile Manganese Bronze

Category : Metal , Nonferrous Metal , Copper Alloy , Bronze

**Material Notes:**

High strength and hardness copper-zinc alloy. Applications: Steel mill nuts, ordnance parts, worm gears. Information provided by MetalTekCast UNS C86200; Cast Grade C86200; Cast ASTM B271, B584, B148; Military MIL-C-15345-5; SAE 430A (Discontinued)

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_MetalTek-C86200-Med-Tensile-Manganese-Bronze.php](http://www.lookpolymers.com/polymer_MetalTek-C86200-Med-Tensile-Manganese-Bronze.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	192	192	
Tensile Strength, Ultimate	>= 620 MPa	>= 89900 psi	
Tensile Strength, Yield	>= 310 MPa	>= 45000 psi	
Elongation at Break	>= 18 %	>= 18 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	4.0 %	4.0 %	
Copper, Cu	63 %	63 %	
Iron, Fe	3.0 %	3.0 %	
Manganese, Mn	3.0 %	3.0 %	
Zinc, Zn	27 %	27 %	

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