

MetalTek MTEK 65+Ni UNS C91600 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 C91600; Cast Grade C91600; Cast ASTM B427 ; Military MIL-C-15345-23

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-65Ni-UNS-C91600-Gear-Bronze.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	106	106	500 kg
Tensile Strength, Ultimate	>= 310 MPa	>= 45000 psi	
Tensile Strength, Yield	>= 170 MPa	>= 24700 psi	
Elongation at Break	>= 10 %	>= 10 %	

Component Elements Properties	Metric	English	Comments
Copper, Cu	88 %	88 %	
Nickel, Ni	1.5 %	1.5 %	
Phosphorous, P	0.20 %	0.20 %	
Tin, Sn	10.5 %	10.5 %	

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