

MetalTek MTEK 65 UNS C90700 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 C90700; Cast Grade C90700; Cast ASTM B427, B505; SAE 65 (Discontinued); Mil QQ-C-390B

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-65-UNS-C90700-Gear-Bronze.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	102	102	500 kg
Tensile Strength, Ultimate	>= 240 MPa	>= 34800 psi	
Tensile Strength, Yield	>= 125 MPa	>= 18100 psi	
Elongation at Break	>= 10 %	>= 10 %	

Component Elements Properties	Metric	English	Comments
Copper, Cu	88.8 %	88.8 %	
Phosphorous, P	0.20 %	0.20 %	
Tin, Sn	11 %	11 %	

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