

MetalTek MTEK 102-N Cast UNS C92900 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 C92900; Cast Grade C92900; Cast ASTM B427, B505

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-MTEK-102-N-Cast-UNS-C92900-Gear-Bronze.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	80	80	500 kg
Tensile Strength, Ultimate	>= 310 MPa	>= 45000 psi	
Tensile Strength, Yield	>= 170 MPa	>= 24700 psi	
Elongation at Break	>= 8.0 %	>= 8.0 %	

Component Elements Properties	Metric	English	Comments
Copper, Cu	83.5 %	83.5 %	
Lead, Pb	2.8 %	2.8 %	
Nickel, Ni	3.5 %	3.5 %	
Phosphorous, P	0.20 %	0.20 %	
Tin, Sn	10 %	10 %	

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