

MetalTek C86300 High 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 C86300; Cast Grade C86300; Cast ASTM B271, B584, B148; Military MIL-C-15345-6; SAE 430B (Discontinued)

Order this product through the following link:

http://www.lookpolymers.com/polymer_MetalTek-C86300-High-Tensile-Manganese-Bronze.php

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	229	229	
Tensile Strength, Ultimate	>= 760 MPa	>= 110000 psi	
Tensile Strength, Yield	>= 415 MPa	>= 60200 psi	
Elongation at Break	>= 12 %	>= 12 %	

Component Elements Properties	Metric	English	Comments
Aluminum, Al	6.0 %	6.0 %	
Copper, Cu	63 %	63 %	
Iron, Fe	3.0 %	3.0 %	
Manganese, Mn	3.0 %	3.0 %	
Zinc, Zn	25 %	25 %	

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