

Mi-Tech Metals TC50 50 Tungsten Carbide/50 Copper PM Metal Composite

Category : Metal , Metal Matrix Composite , Nonferrous Metal , Copper Alloy , Tungsten Alloy

Material Notes:

Mi-Tech refractory alloys are manufactured by pressing, sintering, and infiltrating tungsten with copper or silver. Typical Resistance Welding Applications: Used for light duty projection welding dies requiring low pressure. Another common use is tips on contact shoe facings used in high frequency continuous welding processes. Same general uses as Mi-Tech CW70, but with higher wear resistance. Data provided by Mi-Tech Metals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Mi-Tech-Metals-TC50-50-Tungsten-Carbide50-Copper-PM-Metal-Composite.php

Physical Properties	Metric	English	Comments
Density	>= 11.0 g/cc	>= 0.397 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	90	90	
Tensile Strength, Ultimate	483 MPa	70100 psi	

Component Elements Properties	Metric	English	Comments
Copper, Cu	50 %	50 %	
WC	50 %	50 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000370 ohm-cm	0.00000370 ohm-cm	

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