

## Mi-Tech Metals TC56 56 Tungsten Carbide/44 Copper PM Metal Composite

Category : Metal , Metal Matrix Composite , Nonferrous Metal , 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 heavy-duty or projection welding electrodes where the pressures involved are relatively high and for die facings in electro-forming and electro-forging applications. It is suitable as die material for electrical upsetting of non-ferrous metals and low carbon steel or for cross-wire welding of larger diameter wire and rod. Same general uses as Mi-Tech CW80, 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-TC56-56-Tungsten-Carbide44-Copper-PM-Metal-Composite.php](http://www.lookpolymers.com/polymer_Mi-Tech-Metals-TC56-56-Tungsten-Carbide44-Copper-PM-Metal-Composite.php)

Physical Properties	Metric	English	Comments
Density	>= 11.3 g/cc	>= 0.408 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	95	95	
Tensile Strength, Ultimate	517 MPa	75000 psi	

Component Elements Properties	Metric	English	Comments
Copper, Cu	44 %	44 %	
WC	56 %	56 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000420 ohm-cm	0.00000420 ohm-cm	

## Contact Songhan Plastic Technology Co.,Ltd.

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