

## Goodfellow Copelmet® Tungsten 72/Copper 28 Alloy

Category : Metal , Nonferrous Metal , Refractory Metal , Tungsten Alloy

### Material Notes:

Developed as an electrode material, this alloy is used for spark erosion electrodes and contacts giving excellent resistance to mechanical wear and electrical erosion. Information provided by Goodfellow.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Goodfellow-Copelmet-Tungsten-72Copper-28-Alloy.php](http://www.lookpolymers.com/polymer_Goodfellow-Copelmet-Tungsten-72Copper-28-Alloy.php)

Physical Properties	Metric	English	Comments
Density	14.4 g/cc	0.520 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	600 MPa	87000 psi	

Thermal Properties	Metric	English	Comments
CTE, linear	10.5 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	5.83 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	
Specific Heat Capacity	0.210 J/g- $^\circ\text{C}$	0.0502 BTU/lb- $^\circ\text{F}$	
Thermal Conductivity	198 W/m-K	1370 BTU-in/hr-ft <sup>2</sup> - $^\circ\text{F}$	

Component Elements Properties	Metric	English	Comments
Copper, Cu	28 %	28 %	
Tungsten, W	72 %	72 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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