

## CMW® ELKONITE® G17 Molybdenum Silver contact material ASTM 662, Class A, infiltrated

Category : Metal , Metal Matrix Composite , Nonferrous Metal , Molybdenum Alloy , Precious Metal , Silver Alloy , Refractory Metal

### Material Notes:

For arcing electrical contacts especially where low mass is required. Information provided by CMW Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CMW-ELKONITE-G17-Molybdenum-Silver-contact-material-ASTM-662-Class-A-infiltrated.php](http://www.lookpolymers.com/polymer_CMW-ELKONITE-G17-Molybdenum-Silver-contact-material-ASTM-662-Class-A-infiltrated.php)

Physical Properties	Metric	English	Comments
Density	10.22 g/cc	0.3692 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	82	82	
Flexural Modulus	0.931 GPa	135 ksi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	250 W/m-K	1740 BTU-in/hr-ft <sup>2</sup> -°F	
Melting Point	980 - 2610 °C	1800 - 4730 °F	
Solidus	980 °C	1800 °F	
Liquidus	2610 °C	4730 °F	

Component Elements Properties	Metric	English	Comments
Molybdenum, Mo	60 %	60 %	
Silver, Ag	40 %	40 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000383 ohm-cm	0.00000383 ohm-cm	(45% IACS)

## Contact Songhan Plastic Technology Co.,Ltd.

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