

**CMW® ELKONITE® 7065 Infiltrated Molybdenum Silver contact material ASTM B662 Table 1, Class A1**

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

**Material Notes:**

For arcing electrical contacts Information provided by CMW Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CMW-ELKONITE-7065-Infiltrated-Molybdenum-Silver-contact-material-ASTM-B662-Table-1-Class-A1.php](http://www.lookpolymers.com/polymer_CMW-ELKONITE-7065-Infiltrated-Molybdenum-Silver-contact-material-ASTM-B662-Table-1-Class-A1.php)

Physical Properties	Metric	English	Comments
Density	10.18 g/cc	0.3678 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	85	85	
Flexural Modulus	0.931 GPa	135 ksi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	240 W/m-K	1670 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	65 %	65 %	
Silver, Ag	35 %	35 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000392 ohm-cm	0.00000392 ohm-cm	(44% IACS)

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