

CMW® ELKONITE® G18 Molybdenum Silver contact material ASTM 662, Class B, 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-G18-Molybdenum-Silver-contact-material-ASTM-662-Class-B-infiltrated.php

Physical Properties	Metric	English	Comments
Density	10.23 g/cc	0.3696 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	67	67	
Flexural Modulus	0.758 GPa	110 ksi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	280 W/m-K	1940 BTU-in/hr-ft ² -°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	50 %	50 %	
Silver, Ag	50 %	50 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000370 ohm-cm	0.00000370 ohm-cm	(55% IACS)

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