

## CMW® ELKONITE® 3150 Silver Tungsten Carbide contact material ASTM B663 Table 2, Class B

Category : Metal , Metal Matrix Composite , Nonferrous Metal , Precious Metal , Silver Alloy , Tungsten Alloy

**Material Notes:**

For arcing and current carrying electrical contacts resistant to welding and sticking. Information provided by CMW Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CMW-ELKONITE-3150-Silver-Tungsten-Carbide-contact-material-ASTM-B663-Table-2-Class-B.php](http://www.lookpolymers.com/polymer_CMW-ELKONITE-3150-Silver-Tungsten-Carbide-contact-material-ASTM-B663-Table-2-Class-B.php)

Physical Properties	Metric	English	Comments
Density	11.93 g/cc	0.4310 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	60	60	
Flexural Modulus	0.427 GPa	61.9 ksi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	175 W/m-K	1210 BTU-in/hr-ft <sup>2</sup> -°F	
Melting Point	>= 980 °C	>= 1800 °F	
Solidus	980 °C	1800 °F	

Component Elements Properties	Metric	English	Comments
Silver, Ag	50 %	50 %	
WC	50 %	50 %	

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

### Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China