

CMW® ELKONITE® 2150 Silver Tungsten contact material ASTM B631, Class C, press-sinter-repress

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

Material Notes:

For electrical Contacts Information provided by CMW Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMW-ELKONITE-2150-Silver-Tungsten-contact-material-ASTM-B631-Class-C-press-sinter-repress.php

Physical Properties	Metric	English	Comments
Density	13.2 g/cc	0.477 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	50	50	
Flexural Modulus	0.482 GPa	69.9 ksi	

Thermal Properties	Metric	English	Comments
Melting Point	>= 980 °C	>= 1800 °F	
Solidus	980 °C	1800 °F	
Liquidus	3410 °C	6170 °F	

Component Elements Properties	Metric	English	Comments
Silver, Ag	50 %	50 %	
Tungsten, W	50 %	50 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000287 ohm-cm	0.00000287 ohm-cm	(60% IACS)

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