

CMW® ELKONITE® 3W3 Tungsten Copper material ASTM B702

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

Material Notes:

For arcing and current carrying electrical contacts, power transformer contacts, resistance welding electrodes. Information provided by CMW Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMW-ELKONITE-3W3-Tungsten-Copper-material-ASTM-B702.php

Physical Properties	Metric	English	Comments
Density	13.83 g/cc	0.4996 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	90	90	
Flexural Modulus	0.896 GPa	130 ksi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	160 W/m-K	1110 BTU-in/hr-ft ² -°F	
Melting Point	1080 - 3410 °C	1980 - 6170 °F	
Solidus	1080 °C	1980 °F	
Liquidus	3410 °C	6170 °F	

Component Elements Properties	Metric	English	Comments
Copper, Cu	32 %	32 %	
Tungsten, W	68 %	68 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000345 ohm-cm	0.00000345 ohm-cm	(50% IACS)

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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