

CMW® ELKONITE® 30S Silver Tungsten contact material ASTM B631

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

Material Notes:

For electrical contacts, circuit breakers. Resistant to arcing and welding. Information provided by CMW Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMW-ELKONITE-30S-Silver-Tungsten-contact-material-ASTM-B631.php

Physical Properties	Metric	English	Comments
Density	15.28 g/cc	0.5520 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	85	85	
Flexural Modulus	0.862 GPa	125 ksi	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	160 W/m-K	1110 BTU-in/hr-ft ² -°F	
Melting Point	>= 980 °C	>= 1800 °F	
Solidus	980 °C	1800 °F	

Component Elements Properties	Metric	English	Comments
Silver, Ag	30 %	30 %	
Tungsten, W	70 %	70 %	

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.comEmail : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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