

CMW® ELKONITE® 2188 Infiltrated Tungsten Silver Contact Material

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

Material Notes:

High wear resistance and reliability. Information provided by CMW Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMW-ELKONITE-2188-Infiltrated-Tungsten-Silver-Contact-Material.php

Physical Properties	Metric	English	Comments
Density	17.4 g/cc	0.629 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell B	102	102	
Flexural Modulus	1.034 GPa	150.0 ksi	

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

Component Elements Properties	Metric	English	Comments
Silver, Ag	12 %	12 %	
Tungsten, W	88 %	88 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000493 ohm-cm	0.00000493 ohm-cm	(35% IACS)

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