

CMW® D54 Silver Cadmium Oxide Contact Material ASTM B781, Table 2, Type B

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

Material Notes:

For electrical contacts; especially resistant to welding and high surge currentsInformation provided by CMW Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMW-D54-Silver-Cadmium-Oxide-Contact-Material-ASTM-B781-Table-2-Type-B.php

Physical Properties	Metric	English	Comments
Density	9.79 g/cc	0.354 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell F	42	42	
Tensile Strength, Ultimate	103 MPa	14900 psi	

Thermal Properties	Metric	English	Comments
Melting Point	<= 980 °C	<= 1800 °F	
Liquidus	980 °C	1800 °F	

Component Elements Properties	Metric	English	Comments
CdO	10 %	10 %	
Silver, Ag	90 %	90 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000230 ohm-cm	0.00000230 ohm-cm	(75% IACS)

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