

CMW® D54F Pre-oxidized Silver Cadmium Oxide Contact Material ASTM B781, Table 3

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

Material Notes:

For electrical contacts; resistant to welding and high surge currents
Information provided by CMW Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMW-D54F-Pre-oxidized-Silver-Cadmium-Oxide-Contact-Material-ASTM-B781-Table-3.php

Physical Properties	Metric	English	Comments
Density	10.17 g/cc	0.3674 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell F	71 - 90	71 - 90	71 (annealed) - 90 (worked)
Tensile Strength, Ultimate	269 MPa	39000 psi	Annealed
	317 MPa	46000 psi	Worked

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	0.00000210 ohm-cm	0.00000210 ohm-cm	(82% IACS)

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