

## CMW® D54X Post-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-D54X-Post-oxidized-Silver-Cadmium-Oxide-Contact-Material-ASTM-B781-Table-3.php](http://www.lookpolymers.com/polymer_CMW-D54X-Post-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 <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell F	45 - 81	45 - 81	45 (annealed) - 81 (worked)
Tensile Strength, Ultimate	186 MPa	27000 psi	Annealed
	262 MPa	38000 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	0.00000230 ohm-cm	0.00000230 ohm-cm	(75% IACS)

## Contact Songhan Plastic Technology Co.,Ltd.

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