

## CMW® D582F Silver Graphite Contact Material

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

### Material Notes:

For electrical contacts; reduced sticking, low voltage DC Information provided by CMW Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CMW-D582F-Silver-Graphite-Contact-Material.php](http://www.lookpolymers.com/polymer_CMW-D582F-Silver-Graphite-Contact-Material.php)

Physical Properties	Metric	English	Comments
Density	10.4 g/cc	0.376 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell F	45 - 73	45 - 73	45 (annealed) - 73 (worked)
Tensile Strength, Ultimate	172 MPa	24900 psi	Annealed
	255 MPa	37000 psi	Worked

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

Component Elements Properties	Metric	English	Comments
Carbon, C	0.25 %	0.25 %	
Silver, Ag	99.75 %	99.75 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000167 ohm-cm	0.00000167 ohm-cm	(103% IACS)

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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