

## CMW® D583F Silver Graphite Contact Material

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

**Material Notes:**For electrical contacts; reduced sticking, low friction  
Information provided by CMW Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_CMW-D583F-Silver-Graphite-Contact-Material.php](http://www.lookpolymers.com/polymer_CMW-D583F-Silver-Graphite-Contact-Material.php)

Physical Properties	Metric	English	Comments
Density	10.21 g/cc	0.3689 lb/in <sup>3</sup>	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell F	39 - 70	39 - 70	39 (annealed) - 70 (worked)
Tensile Strength, Ultimate	169 MPa	24500 psi	Annealed
	247 MPa	35800 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	0.75 %	0.75 %	
Silver, Ag	99.25 %	99.25 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000172 ohm-cm	0.00000172 ohm-cm	(100% IACS)

### Contact Songhan Plastic Technology Co.,Ltd.

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