

CMW® D57F Silver Iron Contact Material

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

Material Notes:

For electrical contacts; AC resistive loads. Information provided by CMW Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMW-D57F-Silver-Iron-Contact-Material.php

Physical Properties	Metric	English	Comments
Density	10.25 g/cc	0.3703 lb/in³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell F	48 - 81	48 - 81	48 (annealed) - 81 (worked)
Tensile Strength, Ultimate	214 MPa	31000 psi	Annealed
	272 MPa	39500 psi	Worked

Thermal Properties	Metric	English	Comments
Melting Point	<= 1530 °C	<= 2790 °F	
Liquidus	1530 °C	2790 °F	

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

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000192 ohm-cm	0.00000192 ohm-cm	(90% IACS)

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