

CMW® D505F Silver Nickel Contact Material

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

Material Notes:

For electrical contacts. Information provided by CMW Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_CMW-D505F-Silver-Nickel-Contact-Material.php

Physical Properties	Metric	English	Comments
Density	10.42 g/cc	0.3764 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell F	32 - 84	32 - 84	32 (annealed) - 84 (worked)
Tensile Strength, Ultimate	165 MPa	23900 psi	Annealed
	220 MPa	31900 psi	Worked

Thermal Properties	Metric	English	Comments
Melting Point	<= 1453 °C	<= 2647 °F	
Liquidus	1453 °C	2647 °F	

Component Elements Properties	Metric	English	Comments
Nickel, Ni	5.0 %	5.0 %	
Silver, Ag	95 %	95 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000181 ohm-cm	0.00000181 ohm-cm	(95% IACS)

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