

CMW® D510F Silver Nickel Contact Material ASTM B693

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-D510F-Silver-Nickel-Contact-Material-ASTM-B693.php

Physical Properties	Metric	English	Comments
Density	10.33 g/cc	0.3732 lb/in ³	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell F	35 - 89	35 - 89	35 (annealed) - 89 (worked)
Tensile Strength, Ultimate	172 MPa	24900 psi	Annealed
	290 MPa	42100 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	10 %	10 %	
Silver, Ag	90 %	90 %	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.00000198 ohm-cm	0.00000198 ohm-cm	(87% IACS)

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