

# PRO-SHIELD® 7168

SILVER FILLED POLYURETHANE  
ELECTRICALLY CONDUCTIVE INK



## Customer Value Proposition:

Parker Chomerics PRO-SHIELD 7168 is a one-component electrically conductive ink designed specifically for EMI shielding of copper/Kapton\* flexible circuit laminates and for printing circuits on Kapton film.

Upon cure, this coating exhibits excellent adhesive properties, a high degree of flexibility, thermal stability, high conductivity and superior peel strength.

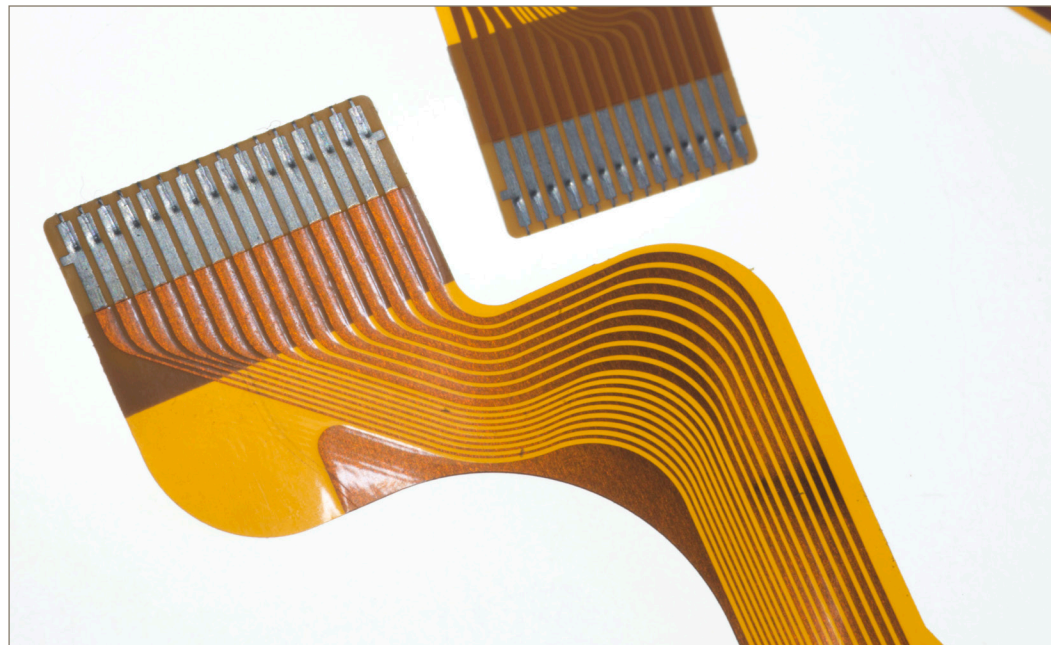
PRO-SHIELD 7168 coating can be applied by spraying or silk-screening methods, and can withstand wave solder temperatures above 500°F without losing any of its exceptional properties.

## Contact Information:

Parker Hannifin Corporation  
Chomerics Division  
77 Dragon Ct.  
Woburn, MA 01801 USA

phone 781 935 4850  
fax 781 933 4318  
CHomailbox@parker.com

[www.parker.com/chomerics](http://www.parker.com/chomerics)



## Product Features:

- Easy to use, ready to apply
- One component
- Silver filler
- High degree of flexibility
- Withstands wave solder temperatures in excess of 500°F (262°C)

## Typical Applications:

- Life science equipment
- Test equipment
- Communication devices
- Cellphones and laptops
- Consumer electronics
- Aerospace applications
- Drones and other RC vehicles

CHOMERICS and PRO-SHIELD is a registered trademark of Parker Hannifin Corporation. © 2019

PRO-SHIELD 7168



ENGINEERING YOUR SUCCESS.


# Product Information

## PRO-SHIELD 7168 ELECTRICALLY CONDUCTIVE INK

PRO-SHIELD 7168		
Typical Properties	Typical Values	Test Method
Packaging	125 mL Bottle	N/A
Primer Included	N/A	N/A
Polymer Family	Polyurethane	N/A
Filler Material	Silver	N/A
Color	Silver	N/A
Surface Resistivity (ohm-sq)	0.050	CEPS-0002 (Q/C)
Shielding Effectiveness (dB) Avg.	>85 dB	CHO-TM-TP11
Calculated VOC (g/L)	603	Calculated
Average solids (weight) %	58	Calculated
Average solids (vol.) %	28.2	Calculated
Specific Gravity	1.7	ASTM D792
Theoretical Coverage (ft <sup>2</sup> /gal) @ Recommended Thickness	452	Calculated
Recommended Thickness (mil)	0.001	N/A
Shelf life, date of manufacture (months)	9	N/A

### Ordering Information

Part Number	Packaging	Weight (grams)
90-00-7168-0000	125 mL Bottle	100g

 WARNING: This product contains chemicals known by the State of California to cause cancer, birth defects, or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

CHOMERICS and PRO-SHIELD is a registered trademark of Parker Hannifin Corporation. © 2019

PRO-SHIELD 7168



ENGINEERING YOUR SUCCESS.