PRO-SHIELD® 7168

Silver Filled Polyurethane Electrically Conductive Ink

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.

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

Parker Chomerics

PRO-SHIELD® 7168 PRODUCT INFORMATION

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-CM)	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^2/gal) @ Recommended Thickness	452	Calculated
Recommended Thickness (mil)	0.001	N/A
Shelf life, date of manufacture (months)	12	N/A

PRO-SHIELD® 7168 ORDERING INFORMATION

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

We're Here to Help

Scan QR code or visit parker.com/chomerics to:

- Request a Free Sample
- Talk to an Expert
- Get a Quote
- Find Where to Buy

Parker Hannifin Corporation
Chomerics Division
77 Dragon Court
Woburn, MA 01801
Phone 781 935 4850
Fax 781 933 4318
chomailbox@parker.com
parker.com/chomerics

CHODS1218 November 2025

Parker | Chomerics