

PRO-SHIELD® 7118

SILVER FILLED ELECTRICALLY CONDUCTIVE EPOXY COATING



Customer Value Proposition:

Parker Chomerics PRO-SHIELD 7118 is a highly conductive two component epoxy coating designed to provide the highest level of EMI shielding and grounding for electronics.

With its tough epoxy polymer chemistry, PRO-SHIELD 7118 exhibits good electrical and mechanical stability in harsh environments.

Formulated using VOC exempt solvents, PRO-SHIELD 7118 is an environmentally friendly choice to solve your EMI shielding issues.


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

For best results, PRO-SHIELD 7118 should be allowed to sit for 1 hour at room temperature after mixing before applying and should be applied to a clean, dry, and oil free surface.

 WARNING: This product can expose you to ETHYLBENZENE and METHYL ISOBUTYL KETONE which IS known to the State of California to cause cancer, and TOLUENE which is known to the State of California to cause birth defects and/or other reproductive harm. For more information go to www.P65Warnings.ca.gov



Product Features:

- Two component epoxy
- Silver in color
- Pot Life – 6 hrs at room temperature
- Cure – 168 hrs at room temperature or 1 hr at room temperature followed by 1 hr at 125C (257F)
- Volume resistivity: < 0.10 ohm/sq.
- Shielding effectiveness: 80+ dB

Typical Applications:

- Electronic assemblies
- Medical devices
- Industrial cabinets
- Access panels
- Engine Control Modules (ECMs)
- Telecom Infrastructure
- Portable electronics

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

PRO-SHIELD 7118



ENGINEERING YOUR SUCCESS.


Product Information

PRO-SHIELD 7118 ELECTRICALLY CONDUCTIVE PAINT

PRO-SHIELD 7118		
Typical Properties	Typical Values	Test Method
Packaging	2 component pint, quart, gallon	N/A
Primer Included	N/A	N/A
Mix Ratio by Weight, A:B	100:23	
Polymer Family	Epoxy	N/A
Filler Material	Silver	N/A
Color	Silver	N/A
Surface Resistivity (ohm-sq)	< 0.10	CEPS-0002 (Q/C)
Shielding Effectiveness (dB) Avg.	70-89 dB	CHO-TM-TP11
Calculated VOC (g/L)	404	Calculated
Average solids (weight) %	49.9	Calculated
Average solids (vol.) %	23.5	Calculated
Specific Gravity	1.5	ASTM D792
Theoretical Coverage (ft ² /gal) @ Recommended Thickness	377	Calculated
Recommended Thickness (mil)	0.001	N/A
Shelf life, date of manufacture (months)	9	N/A

Ordering Information

Part Number	Packaging	Weight (grams)
90-01-7118-0000	2 component pint kit	450
90-04-7118-0000	2 component quart kit	900
90-03-7118-0000	2 component gallon kit	3600

 WARNING: This product can expose you to ETHYLBENZENE and METHYL ISOBUTYL KETONE which IS known to the State of California to cause cancer, and TOLUENE which is known to the State of California to cause birth defects and/or other reproductive harm. For more information go to www.P65Warnings.ca.gov

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

PRO-SHIELD 7118



ENGINEERING YOUR SUCCESS.