

PRO-SHIELD® 7002

One Component Corrosion Resistant Electrically Conductive Silicone Sealant

Parker Chomerics PRO-SHIELD® 7002 is a nickel plated graphite filled electrically conductive silicone sealant.

It is an easy to use electrically conductive sealant or gap filler for use on horizontal or vertical surfaces. PRO-SHIELD 7002 flows smoothly for application on parts with complex geometries and difficult to fill crevasses.

PRO-SHIELD 7002 is a cost-effective solution for reducing electromagnetic interference (EMI) in commercial electronics.



Product Features

- Easy to use
- One component – no mixing or weighting required
- Moisture cure silicone – tack free in 24hrs, reaches full cure in 7 days
- Volume resistivity: < 0.8 ohm-cm.
- Shielding effectiveness: 40-60 dB
- Lap shear: 125 PSI

Typical Applications

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



PRO-SHIELD® 7002 Product Information

Typical Properties	Typical Values	Test Method
Polymer	Silicone	N/A
Filler	Nickel-Plated Graphite	N/A
Mix Ratio, A : B (by weight)	1-part	N/A
Color	Dark Gray	N/A (Q)
Consistency	Medium Paste	N/A (Q)
Maximum DC Volume Resistivity	0.500 ohm-cm	CHO-95-40-5555* (Q/C)
Minimum Lap Shear Strength**	150 psi (1034 kPa)	CHO-95-40-5300* (Q/C)
Minimum Peel Strength**	8.0 lb./inch (1401 N/m)	CHO-95-40-5302* (Q/C)
Specific Gravity	2.4	ASTM D792 (Q/C)
Hardness	80 Shore A	ASTM-D2240 (Q/C)
Continuous Use Temperature	- 55°C to 125°C (-67 °F to 257 °F)	N/A (Q)
Elevated Temperature Cure Cycle	None	N/A
Room Temperature Cure	1 week***	N/A (Q)
Working Life	0.5 hour	N/A (Q)
Shelf Life, unopened	6 months @ 25°C (77°F)	N/A (Q)
Minimum thickness recommended	0.010 in (0.25 mm)	N/A
Maximum thickness recommended	0.040 in (1.02 mm)	N/A
Volatile Organic Content (VOC)	0 g/l	Calculated
Theoretical Coverage Area at 0.010" Thick per Pound (454 grams)	1250 in ² (8065 cm ²)	N/A
Theoretical Coverage - Length of an 1/8" Diameter Bead per Pound (454 grams)	80 feet (24.4 m)	N/A

Note: N/A - Not Applicable, (Q/C) - Qualification and Conformance Test, (Q) - Qualification Test

* This test Method is available from Parker Chomerics.

** Minimum values listed are based on using the CHO-SHIELD 1086 primer that typically comes bundled with the CHO-BOND.

*** Cure is sufficient for handling in 24 hours. Full specification properties are developed after 1 week (168 hours) at room temperature.

PRO-SHIELD® 7002 Ordering Information

Product	Weight (grams)	Packaging	Part Number	Primer
PRO-SHIELD 7002	54	30cc syringe	90-05-7002-0000	Not Required
PRO-SHIELD 7002	275	6oz EFD tube	90-01-7002-0000	Not Required

Primer not included. For best adhesion, Chomerics recommends applying PRO-SHIELD 7201 primer to a cleaned and degreased substrate before applying PRO-SHIELD 7002.



WARNING: This product can expose you to TITANIUM DIOXIDE, NICKEL, and FORMALDEHYDE which are known to the State of California to cause cancer, and METHANOL 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



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