

- Conductive elastomers • Knitted wire mesh
- Conductive coatings, sealants, adhesives
- Cable shielding products • EMI/ESD shielding laminates
- Shielded vents and windows
- Commercial and military EMI testing

# CHO-BOND® 1035 One Component Electrically Conductive Sealant

CHO-BOND® 1035 sealant is an electrically conductive, one-component RTV silicone which provides both environmental sealing and EMI/RFI shielding. This sealant, filled with silver-plated glass particles, contains no acetic acid, and cures in the presence of moisture. Although skin formation takes only a few minutes, full property development takes one week. CHO-BOND 1035 sealant is ideal for shelter applications where EMP is not a factor. This product should be stored at room temperature 65-75°F (18-24°C) only.

## FEATURES

- Non-corrosive sealant
- Cures in the presence of moisture
- Needs no pressure during cure (excellent as a fillet seal)
- Rapid skin formation

## APPLICATION

If CHO-BOND 1035 sealant is being applied to a non-silicone surface, a very thin coating of CHO-BOND 1086 primer must first be applied with a clean cloth. Before applying CHO-BOND 1035 sealant, primer must be allowed to dry

15-30 minutes. (**Note:** Primer is included in CHO-BOND 1035 sealant package).

CHO-BOND 1035 sealant is available in 2.5-ounce (71 g) metal tubes or 10-ounce (0.3 kg) SEMCO tubes, which are dispensed using pneumatic equipment manufactured by SEMCO, Glendale, CA.



## SPECIFICATIONS AND PRODUCT CHARACTERISTICS FOR CHO-BOND 1035\* (Contact Chomerics for complete specifications and test procedures)

Binder	Silicone
Filler	Ag/glass
Mix Ratio (by wgt.)	1-part
Consistency	Thin paste
Specific Gravity	1.9 ±0.10
Minimum Lap Shear Strength, psi (MPa)	100 (0.69)
Maximum DC Volume Resistivity, ohm-cm	0.05
Use Temperature	-67 to 392°F (-55 to 200°C)
Elevated Temperature Cure Cycle	N/A
Room Temperature Cure Time	1 wk.**
Working Life	0.5 hr.
Shelf Life, mos.	6
Coverage, in. <sup>2</sup> /lb. (cm <sup>2</sup> /g)	1500 (21.3)
Recommended Thickness, in. (mm)	0.007 min. (0.18)
VOC, g/l	151

## ORDERING INFORMATION

PART NUMBER	UNIT/SIZE
51-01-1035-0000	10 ounce tube (0.3 kg)
51-00-1035-0000	2.5 ounce tube (71 g)

\* U.S. Patent 4,011,360.

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

Lowest cost silicone caulk. Bonds well to primed aluminum. Non-corrosive, room temperature cure system. Not recommended for vibration or EMP environments.

