

CHO-BOND® 1016

CHO-BOND® 1016 One Component, Corrosion Resistant, Electrically Conductive Sealant

DESCRIPTION

CHO-BOND 1016 sealant is an electrically conductive, one-component RTV silicone which provides both environmental sealing and EMI shielding. This sealant, filled with nickel-plated graphite particles, contains no acetic acid, and cures in the presence of moisture at room temperature. Skin formation takes only a few minutes and full property development takes one week. CHO-BOND 1016 sealant is ideal for outdoor enclosure applications where both EMI shielding and galvanic corrosion are requirements. This product should be stored at or below 77°F (25°C).

FEATURES

- Excellent resistance to galvanic corrosion
- 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 1016 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 1016 sealant, primer must be allowed to dry 15-30 minutes. (Note: Primer is included in CHO-BOND 1016 sealant package). CHO-BOND 1016 sealant is available in 10-ounce (0.3 kg) tubes.



ORDERING INFORMATION

PART NUMBER	UNIT/SIZE
50-01-1016-0000	10 ounce tube (0.3 kg)
50-02-1016-0000	2.5 ounce tube (71 g)

Typical Properties		
Binder		Silicone
Filler		Nickel-plated graphite (Ni/c)
Mix Ratio (by weight)		1-part
Consistency		medium paste
Specific Gravity	ASTM D792	2.2 +/- .25
Minimum Lap Shear Strength psi (MPa)	ASTM D1002	150 (1.04)
Hardness	ASTM D2240	80
Maximum DC Volume Resistivity. ohm-cm	ASTM D2739	0.95
Corrosion Resistance (mg weight loss)	CHO- TM 100	15
Use Temperature *		- 49 to 257°F (- 45 to 125°C)
Shielding Effectiveness (dB)	CHO –TP08	> 50
Elevated Temperature Cure Cycle		N/A
Room Temperature Cure Time**		1 wk.* *
Working Life		0.5 hr.
Shelf Life, mos.		9
Coverage, in. ² /lb. (cm ² /g) for 0.010 " (.0254 mm) thickness		1276 (18.1)
Recommended Thickness, in. (mm)		0.007 min. (0.18)
		.040 max. (1.02)
VOC, g/l		0

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

**For applications > 125 C (257F) contact Chomerics Applications Department

⚠ WARNING – USER RESPONSIBILITY

FAILURE OR IMPROPER SELECTION OR IMPROPER USE OF THE PRODUCTS DESCRIBED HEREIN OR RELATED ITEMS CAN CAUSE DEATH, PERSONAL INJURY AND PROPERTY DAMAGE.

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