

TECKNIT 0005

ONE COMPONENT FLEXIBLE ELECTRICALLY CONDUCTIVE POLYOLEFIN SEALANT



Customer Value Proposition:

TECKNIT 0005 is a silver-plated glass filled, one-component conductive polyolefin, designed for use as a fillet, gap filler and seam sealant on electrical enclosures for EMI shielding or electrical grounding. Its non-hardening characteristic makes it particularly suited for shielding joints and seams which are likely to be disassembled or applications where uneven surfaces and thermal expansion may be encountered. Minimum recommended bond line for TECKNIT 0005 is 0.005 inches (0.13 mm). TECKNIT 0005 dries in minutes and develops its final material properties in 24 hours. The compound remains permanently flexible and adherent with no tendency to crack or pull away from the substrate. Some surface crusting may be experienced, but TECKNIT 0005 will remain pliable below the surface. TECKNIT 0005 is ozone resistant and has good weathering resistance. Typical applications include access panels, shielded room joints, temporary military shelters, hardware, bulkhead feed through fittings, and building conduits.



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Features and Benefits:

- One component
- Silver glass filler
- Polyolefin binder
- Light weight
- Thixotropic cream
- Easy to use, no weighing or mixing required.
- Excellent conductivity 0.005 ohm-cm, low cost (\$/cc)
- 5 minute working life, 24 hrs for final properties to develop, remains flexible, No corrosive by-products generated during drying to damage substrate.
- More coverage per gram of material, minimal weight added to assembly or vehicle.
- Easy to dispense, apply and spread. Not recommended for use on overhead and vertical surfaces.



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TECKNIT 0005 - Product Information

Table 1 Typical Properties

TECKNIT 0005		
Typical Properties	Typical Values	Test Method
Polymer	Polyolefin	N/A
Filler	Silver-Plated Glass	N/A
Mix Ratio, A : B (by weight)	1-part	N/A
Color	Beige	N/A (Q)
Consistency	Liquid	N/A (Q)
Maximum DC Volume Resistivity	0.005 ohm-cm	QAP-1038* (Q/C)
Minimum Lap Shear Strength	4 psi (28 kPa)	CHO-95-40-5300* (Q/C)
Minimum Peel Strength	N/A	CHO-95-40-5302* (Q/C)
Specific Gravity	1.7	QAP-1101F* (Q/C)
Hardness	N/A	QAP-1102G* (Q/C)
Continuous Use Temperature	- 54°C to 94°C (-65 °F to 200 °F)	N/A (Q)
Elevated Temperature Cure Cycle	None	N/A
Room Temperature Cure	24 hours**	N/A (Q)
Working Life	5 minutes	N/A (Q)
Shelf Life, unopened	9 months @ 25°C (77°F)	N/A (Q)
Minimum thickness recommended	0.005 in (0.13 mm)	N/A
Maximum thickness recommended	0.050 in (1.27 mm)	N/A
Volatile Organic Content (VOC)	419 g/l	Calculated
Theoretical Coverage Area at 0.010" Thick per Pound (454 grams)	1600 in ² (10323 cm ²)	N/A
Theoretical Coverage - Length of an 1/8" Diameter Bead per Pound (454 grams)	N/A (Liquid)	N/A

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

* This test Method is available from Parker Chomerics.

** Cure is sufficient for handling in 24 hours. Full specification properties are developed after 24 hours.

Table 2 Ordering Information

Product	Weight (grams)	Packaging	Part Number	Primer Included
TECKNIT 0005	454	1 pint aluminum can	72-00005	Not Required

Please refer to Parker Chomerics Surface Preparation and CHO-BOND Application documents for information regarding the proper surface preparation, primer application (if required), and use of these compounds.

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TB 1140 EN January 2014



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