



Silicone & Epoxy Technology

48 B Otis Street
West Babylon, NY 11704
Tel. 631-920-5079 Fax. 631-920-0503
E-mail SalesSET@optonline.net
www.SET-mfg.com

Set-Gel 700CC

Set-Gel 700CC is a flexible, non-abrasive filled 100% solids epoxy system. It is a resin that exhibits low coefficient of thermal expansion and exceptional shock resistance. **Set-Gel 700CC** is designed in such a way that the mix ratio is 1:1 by volume. It is a room temperature cure, has excellent moisture resistance, and is also machine dispensable.

Properties-Uncured:

| | Part A | Part B |
|--------------------------------------|------------------------------|--------|
| Color, Visual | Clear | Black |
| Viscosity, cps @ 25 °C | 600 | 2500 |
| Mixed Viscosity, cps | 900 to 1500 | |
| Specific Gravity | 1.12 | |
| Mix Ratio, volume | 1:1 | |
| Pot Life @25°C, hours (Fast System) | 15 –20 minutes (100 grams) | |
| Pot Life @ 25°C, Hours (Slow System) | 80 to 90 minutes (100 grams) | |
| Shelf Life @25°C, months | 6 | |

Physical Properties-Cured:

| | |
|--|----------------------|
| Durometer (Shore A) | 70 |
| Tensile Strength, psi | 3500 |
| Tensile Elongation, % | 25 |
| Coefficient of Thermal Expansion, °C | 7 X 10 ⁻⁶ |
| Thermal Conductivity, (BTU-in)/(hr*ft ² *F) | 3.5 |
| Service Temperature, °C | Class B |

Electrical:

| | |
|--------------------------------|------------------------|
| Dielectric Strength, volts/Mil | 370 |
| Dielectric Constant, 60 Hz | 4.5 |
| Dissipation Factor, 60 Hz | 0.08 |
| Volume Resistivity, ohm-cm | 7.0 X 10 ¹⁶ |

Mixing Instruction:

Pre-mix Part A and Part B separately. Then measure 1:1 by Volume (A to B). Mix thoroughly scraping the sides and bottom of the container. Evacuate and then pour into mold or cavity.

Cure Schedule: Room Temperature cure @ 75 °F with full properties after 24 hours. Demold time @75 °F 4 Hours.

See back of Data Sheet for Warranty Information

Warranty

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Place Orders To: SalesSET@optonline.net

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