





REV 3.1

## ELECTRICAL PROPERTIES

Dielectric Constant		
1.0kHz		8.46
100.0kHz		8.27
Dissipation Factor		
1.0kHz		0.013
100.0kHz		0.030
Volume Resistivity (DC), Ohm-cm		
100 V		$2.6 \times 10^{11}$
500 V		$2.1 \times 10^{11}$

## APPLICATION INSTRUCTIONS

EGE-201 contains no MDI or TDI. Neither Part A nor Part B should be exposed to ambient air for prolonged periods of time, and the containers should be covered when not in use. If the components are to be used in a gravity feed, continuous mixer, the feed tanks SHOULD be vented through a desiccated air vent or dry Nitrogen.

Components to be encapsulated should be clean and dry, and should not be contaminated with solder flux, silicone grease or other uncured materials. If thermal grease is required to heat sink a component, PTE-46201 may be used as a non-contaminating thermal grease. **DO NOT PREHEAT PART A OR PART B. DO NOT USE PAPER CONTAINERS TO WEIGH OR MIX COMPONENTS.** Under high humidity conditions, paper may contain enough absorbed water to cause bubbling in curing material. Lined or unlined metal cans, polyethylene and polypropylene containers are suggested mixing and weighing containers. Add Part B to Part A at room temperature (for best results, room temperature should be 77-90°F or greater), mix well and vacuum degas material to 0.5mmHg or less for about 5 minutes. If meter-mix equipment is used, no degassing should be required. Pour the appropriate amount of material over the components to be encapsulated and cure 2 Hr. at 212°F.

The shelf life of PTE-46201 is one year when stored at temperatures of <85°F. in original unopened containers. It is recommended that Part A containers be rotated 180°, top to bottom, every month, to prevent filler settling. The frequency of rotation required will depend on ambient temperature. Higher temperatures will require more rotation and lower temperatures, less. In order to slow down filler settling, Part A (only) should be stored at <70°F.. If stored in a refrigerator or freezer settling will essentially stop, however it is necessary to allow it to come to room temperature before opening the can. To determine if filler settling has occurred, plunge a long steel spatula or screw driver to the bottom of the can. If all of the material is of the same consistency, the material may be used as is. If not, the Part A must be mixed and degassed prior to addition of Part B.

Alternate cures are:           24-48 Hrs. at RT (>70°F.)  
  3 Hrs. at 180°F. or  
  1/2 Hr. at 250°F (Forced Convection Oven).