



**1. Chemical Product and Company Identification**

- Two-component potting compound
- Low viscosity, flows well and adheres to many substrates
- Good resistance to water, transformer oil, gasoline and other chemicals
- Well suited for the insulation of low voltage components as transformers, coils, electronics switches, capacitors and others.

4. Cure time on the really part will depend upon factors such as part geometry, materials to be bonded, bondline thickness and efficiency of the oven. Cure schedule should be confirmed with actual production parts and equipment.

5. For large scale application, this resin is suggested to be precured at lower temperature, then fully cured at high temperature to avoid extremely heat release.

6. Do not use any parts of two to blend with other kinds of glue.

7. When not using the mixing product immediately, please replace the lid to prevent the product from the air and moisture.

**TYPICAL UNCURED PROPERTIES**

Properties	PP-8601-A	PP-8601-B
Appearance	Viscous Liquid	Viscous Liquid
Color	Light Yellow	Light Yellow
Viscosity (cps)	80 ± 20	320 ± 100
Mixing Viscosity (cps)	190 ± 50	
Density (g/cm <sup>3</sup> )	1.08 ± 0.05	0.95 ± 0.05

**TYPICAL CURED PROPERTIES**

Glass Transition Temp., (DSC), °C	7	
Linear expansion coefficient, m/mK	5.5 - 6.0*10 <sup>-6</sup>	
Durometer Hardness, Shore A	45 ± 5	
Water Absorption Ratio (30 days), %	0.5	
Break down Voltage, kV/mm	> 18	
Volume Resistivity, ohm-cm	1.0*10 <sup>13</sup>	
Dielectric Constant	at 50Hz, 23°C	5.6 IEC 60250
	at 1 kHz, 23°C	4.6 VDE 0303
	at 1 MHz, 23°C	3.7
Temperature Range, °C	-40 ~ 100	

**TYPICAL CURING PROPERTIES**

Properties	PP-8601
Mix Ratio (A:B) by Weight	1:1
Glass transition temperature (°C)	7 (TMA)
Cured Time, 25°C, mins	180 - 240
Cured Time, 60°C, min	60

**STORAGE AND SHELF LIFE**

The container should be stored in cool and dark place. The resin and hardener will become yellow under the sunlight. Replace the lid immediately after use. Keep without any possibility of wet when not using. Shelf life of this product is six months when stored below 14~34°C in original, unopened containers.

**DIRECTION OF USE**

1. This product should be applied to a clean surface which is free of dirt, grease or mold release. In many cases, a simple solvent wipe is sufficient.
2. Weight the correct proportions to within 2% accuracy and mix thoroughly together, scraping both the bottom and the sides of mixing container, until a homogeneous mixture is obtained. If there are bubble problems, vacuum condition is recommended.
3. If part B is precipitation, stir well before use.

## ***Two-part polyurethane potting compound***

### **CAUTION**

Some findings indicate a lack of potential for carcinogenicity with the compositions of this product by long term recurrent application to the skin. However, contact with skin is likely to produce mild transient reddening. It is important to remove adhesive from skin with soap and water thoroughly. DO NOT use solvents for cleaning hands. This resin is of moderate acute toxicity by swallowing. If swallowed, call a physician. Avoid contact with eyes. In case of contact, flush with water for at least 15 minutes and get medical attention immediately. For specific information on this product, consult the Material Safety Data Sheet.

The data contained in this bulletin is provided only as a guide for evaluation/consideration and is tested under 70% humidity, 25°C. These material characteristics are typical properties that are based on a limited number of samples tested in the laboratory. We cannot assume responsibility for results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any product or method. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide.