

PUT3401

Two-part Polyurethane for Electronic Devices

PUT3401 is two-part polyurethane which is suitable for various applications in electronics, appliances, LED power supplies, and small transformers such as potting, casting and sealing. PUT3401 is ideally used for general purpose which requires excellent adhesion and long work life.

FEATURE

- Solvent-free, halogen-free, environmentally friendly.
- Good filling ability with low viscosity.
- Excellent electric properties.

TYPICAL UNCURED PROPERTIES

Properties	PUT3401-A	PUT3401-B
Appearance	Liquid	Liquid
Color	Transparent	Brown
Viscosity @ 25°C, cps	1,200 ± 200	680 ± 200
Specific Gravity	1.08 ± 0.05	1.03 ± 0.05

TYPICAL CURING PROPERTIES

Properties	PUT3401
Mix Ratio (A:B) by Weight	1 : 1
Viscosity after mixing @ 25°C, cps	900±100
Open Time @ 25°C, min	15 ± 3
Pot Life @ 25°C, min	240
Through Cured Time @ 25°C, h	4~6
Through Cured Time @ 60°C, h	1
Through Cured Time @ 80°C, h	0.5

DIRECTION OF USE

1. This product should be applied to a clean surface which is free of dirt, grease or mold release.

2. Special equipment should be used to mix them evenly according to the specified proportion. The components should be dry and free of water vapor. If there are bubbles, it is better to vacuum and eliminate them.

3. They must be used up within the open time, otherwise they will solidify and cannot be used again. Please use it as soon as possible after opening the packaging.

TYPICAL CURED PROPERTIES*

Properties	PUT3401
Durometer Hardness, Shore A	55 ± 5
Glass Transition Temp., °C	15
Thermal conductivity, W/mK	0.43
Dielectric Strength, kV/mm	24
Dielectric Constant @ 50Hz	5.6
Dielectric Constant @ 1KHz	4.6
Dielectric Constant @ 1MHz	3.7
Surface Resistance (Ohm)	1.0 x 10 ¹³
Volume Resistance (Ohm.cm)	>1.0 x 10 ¹³
Service Temperature Range, °C	-40~100
Coefficient of Expansion	5.5~6.0 x 10 ⁻⁶

(*) Testing Condition: 70% R.H and 25°C.

PACKAGING, STORAGE AND SHELF LIFE

Packaging: 12kg/barrel.

The container should be stored in cool, dark and ventilated, avoid the sunlight. Replace the lid immediately after use. Keep without any possibility of wet when not using. Shelf life of this product is 03 months when stored at room temperature in original, unopened containers.

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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. 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.