

Product Data

Fast Cure, Non-corrosive Silicone Adhesive Sealant SnapSil* TN8000

TN8000 is a one-component, fast cure, non-corrosive silicone adhesive sealant that cures on exposure to atmospheric moisture to form an elastic silicone rubber.

TN8000 has a thixotropic paste consistency and excellent corrosion-free adhesion to metals, including copper, plastics, glass without the use of primers.

Key Features

- ◆ Fast room temperature cure, and neutral alkoxy cure type
- ◆ Primerless adhesion to many substrates
- ◆ Excellent adhesion after extended aging, and excellent dielectric properties
- ◆ Flame retardant : UL94HB recognized (File No.E56745)

Applications

- ◆ Insulating adhesive sealing and fixing for electrical and electronic parts
- ◆ Waterproof sealant for electrical, electronic and communication equipment
- ◆ General adhesive for metals, glass, plastics, etc.

TYPICAL PROPERTY DATA

(JIS K 6249)

| UNCURED PROPERTIES (23°C,50%RH) | | TN8000-W, -B, -G |
|---------------------------------------|-------------------|------------------------------------|
| Appearance | | Non-Flowable, White, Black, Gray |
| Tack free time | min | 20 |
| CURED PROPERTIES (7days @ 23°C,50%RH) | | |
| Appearance | | Elastic rubber, White, Black, Gray |
| Density | g/cm ³ | 1.41 |
| Hardness (Type A) | | 33 |
| Tensile strength | MPa | 2.2 |
| Elongation | % | 620 |
| Adhesive strength ^{*1} | MPa | 1.8 |
| Thermal conductivity ^{*2} | W/(m·K) | 0.38 |
| Linear expansion ^{*3} | 1/K | 2×10 ⁻⁴ |
| Volume resistivity | MΩ·m | 7×10 ⁶ |
| Dielectric strength | kV/mm | 21 |
| Dielectric constant (60Hz) | | 3.9 |
| Dissipation factor (60Hz) | | 0.04 |

^{*1} Aluminum Lap shear. ^{*2, *3} In-house test method.

Typical property data values should not be used as specifications.

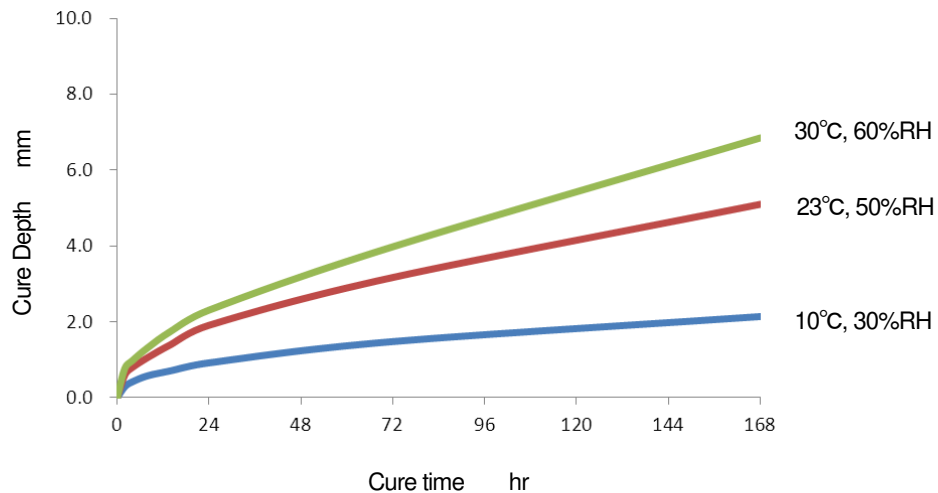
ADHESION PERFORMANCE

TN8000 has excellent bonding properties and adheres to many materials without primers.

| | TN8000-W, -B, -G |
|----------------------------------|------------------|
| Aluminum | ○ |
| Stainless steel | ○ |
| Copper | ○ |
| Mild steel | ○ |
| Zinc plate | ○ |
| Nickel plate | ○ |
| Acrylic resin | ○ |
| Polyester | ○ |
| Epoxy resin | ○ |
| Polycarbonate | ○ |
| ABS | ○ |
| PBT (Polybutylene terephtharate) | ○ |
| PPS (Polyphenylene sulfide) | ○ |
| PET (Polyethylene terephtharate) | ○ |
| PPE (Polyphenylene ether) | ○ |
| Modified PPO | ○ |
| Phenolic resin | ○ |
| Nylon-6 | ○ |
| Nylon-66 | ○ |
| PVC (Polyvinyl chloride) | ○ |
| Glass | ○ |
| PE (Polyethylene) | × |
| PP (Polypropylene) | × |

○: Adhere completely (Cohesive failure), × : Does not adhere

CURE PERFORMANCES



GENERAL INSTRUCTIONS FOR USE

- ◆ Substrate surface should be thoroughly cleaned with a suitable solvent such as alcohol, xylene methyl ethyl ketone (MEK) etc.
- ◆ Wear eye protection and protective gloves as required while handling.
- ◆ Adequate ventilation must be maintained in the work place at all times.
- ◆ General adhesive for metals, glass, plastics, etc.

STORAGE

- ◆ Store in a cool, dry place out of direct sunlight.
- ◆ Keep out of the reach of children.

PACKAGING

- ◆ 333ml cartridge in case of 10
- ◆ 25kg pail

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