



# TG-ASD35AB

## Thermally Conductive Gel

REACH Compliant    RoHS Compliant

### Features

- Good thermal conductivity
- Pistol friendly & easy assembly
- A:B=1:1
- Cured by room temperature or heating

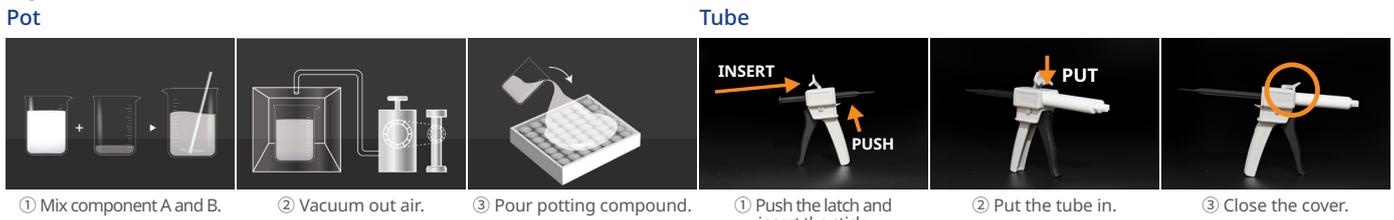
### Applications

Electronic Components - 5G, Aerospace, AI, AIoT, AR/VR/MR/XR, Automotive, Consumer Devices, Datacom, Electric Vehicle, Electronic Products, Energy Storage, Industrial, Lighting Equipment, Medical, Military, Netcom, Panel, Power Electronics, Robot, Servers, Smart Home, Telecom, etc.

### Storage

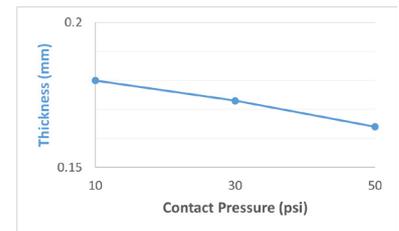
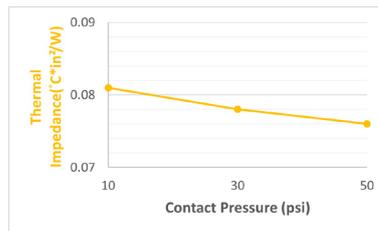
Thermally Conductive Gel has a shelf-life of 12 months from the date of manufacture, as indicated by the lot number, when stored in the original, should be unopened container at or below 25°C.

### Operation Manual



### Properties

#### Curing Contact Pressure, Thermal Impedance, and Thickness



| Properties                   | Unit                | TG-ASD35AB       | Tolerance                          | Test Method              |
|------------------------------|---------------------|------------------|------------------------------------|--------------------------|
| Thermal Conductivity         | W/m·K               | 3.5              | ±0.5                               | ISO 22007-2              |
| Color                        | -                   | A:Pink / B:White | -                                  | Colorimeter CIE 1976     |
| Dielectric Breakdown Voltage | kV/mm               | 7                | ±3                                 | ASTM D149                |
| Volume Resistivity           | Ohm·m               | 10 <sup>14</sup> | 10 <sup>13</sup> ~10 <sup>15</sup> | ASTMD257                 |
| Density                      | g/cm <sup>3</sup>   | 3                | ±0.15                              | ASTM D792                |
| Operating Temperature        | ° C                 | -50~+150         | -                                  | -                        |
| Weight Loss                  | %                   | <1               | -                                  | By T-Global              |
| Viscosity @1.0rpm            | Pa·s                | A:250 / B:250    | ±100                               | ASTM D7395<br>ASTM D4287 |
| Elongation                   | %                   | >100             | -                                  | ASTM D412                |
| Tensile Strength @T3.0mm     | kgf/cm <sup>2</sup> | 10               | -                                  | ASTM D412                |
| Curing Time @25° C           | Min                 | 120~240          | -                                  | -                        |
| Curing Time @50° C           | Min                 | 20~40            | -                                  | -                        |
| Curing Time @80° C           | Min                 | 15~20            | -                                  | -                        |
| Standard Package             | -                   | Pot / Tube       | -                                  | -                        |
| Mixing Ratio                 | -                   | 1:1              | -                                  | -                        |
| Hardness                     | Shore OO            | 40               | ±10                                | ASTM D2240               |

► Component A & Component B are mixed material. It is normal to cause precipitation and stratification due to different density. Well mixed component A before use by a flat spatula or other stainless tools to achieve the ideal thermal conductivity.

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