



TG-A720AB / S720AB Silicone Potting Compound

REACH Compliant

RoHS Compliant

Features

- Good thermal conductivity
- Cured by room temperature
- High stability
- Water proof

Application:

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.

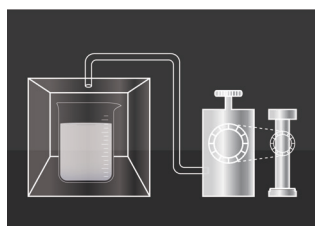
Storage:

Silicone Potting Compound has a shelf-life of 12 months from the date of manufacture, as indicated by the lot number, when stored in the original, unopened container at or below 25°C.

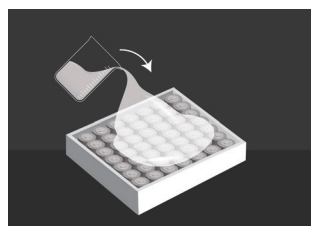
Operation Manual



① Mix component A and B.



② Vacuum out air.

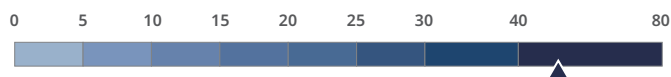
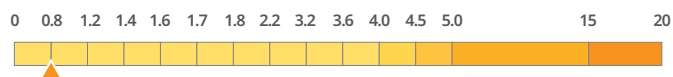


③ Pour potting compound.

Properties

Thermal Conductivity : 0.8 W/m•K

Hardness : 50 (Shore A)



| Properties | Unit | TG-A720AB / S720AB | Tolerance | Test Method |
|------------------------------|-------------------|--------------------|-----------|---------------------|
| Thermal Conductivity | W/m•K | 0.8 | ±10% | ASTM D5470 Modified |
| Color | - | White | - | - |
| Dielectric Breakdown Voltage | KV/mm | ≥12 | - | ASTM D149 |
| Weight Loss | % | <1 | - | ASTM E595 Modified |
| Density | g/cm ³ | 1.97 | ±5% | ASTM D792 |
| Operating Temperature | °C | -40~+180 | - | - |
| Viscosity | Pa•s | 2~10 | - | Brookfield |
| Curing Time @25° C | Hrs | 18 | - | - |
| Standard Package | - | Pot | - | - |
| Hardness | Shore A | 50 | ±10 | ASTM D2240 |
| Mixing Ratio | gram | 100:2 | - | - |

► Component A is a mixed material of silicone and thermal conductive powder. 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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