



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.

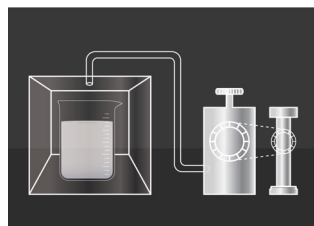
Storage:

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.

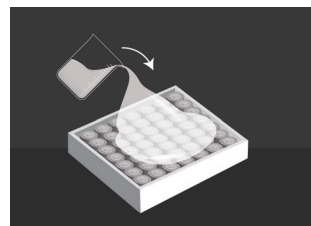
Operation Manual



① Mix component A and B.



② Vacuum out air.

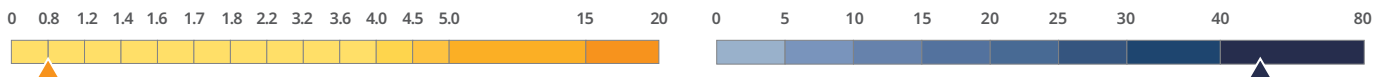


③ Pour potting compound.

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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NOTICE: The information contained herein is to the best of our knowledge true and accurate. Values stated in this technical data sheet represent typical values as not all tests are run on each lot of material produced. All specifications are subject to change without notice. The protective film and release paper does not affect the function of the product. If there is no special requirement, the default depends on T-Global. Since the varied conditions of potential use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part and users should make their own test to determine the suitability of our products in any specific situation. This product is sold without warranty either expressed or implied, of fitness for a particular purpose or otherwise, except that this product shall be of standard quality, and except to the extent otherwise stated in T-Global Technology's invoice, quotation, or order acknowledgment. We disclaim any and all liabilities incurred in connection with the use of information contained herein, or otherwise. All risks of such are assumed by the user. Furthermore, nothing contained herein shall be construed as a recommendation to use any process or to manufacture or to use any product in conflict with existing or future patents covering any product or material or its use. In order to provide customers with more efficient thermal interface materials, T-Global Technology has updated the manufacturing process for some products and integrated UL certification. From today, we will replace some of previous generation products with TG-A series part numbers.