



TG-A09AB / TG-S09AB

Silicone Potting Compound

REACH Compliant

RoHS Compliant

Features

- Good thermal conductivity
- Protect electronic components after cured
- A:B=1:1
- Cured by room temperature or heating

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.

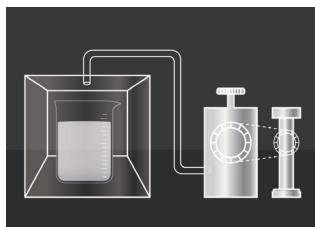
Storage:

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, should be unopened container at or below 25°C.

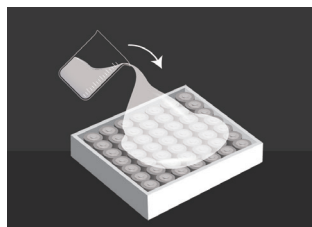
Operation Manual



① Mix component A and B.



② Vacuum out air.

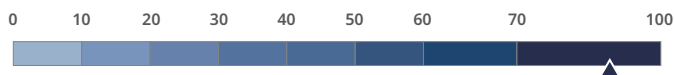
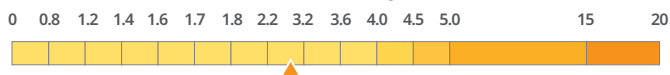


③ Pour potting compound.

Properties

Thermal Conductivity : 2.8 W/m·K

Hardness : 90 (Shore OO)



Properties	Unit	TG-A09AB / TG-S09AB	Tolerance	Test Method
Thermal Conductivity	W/m·K	2.8	±10%	ASTM D5470 Modified
Color	-	Gray (Mix)	-	-
Dielectric Breakdown Voltage	KV/mm	≥11	-	ASTM D149
Volume Resistivity	Ohm-m	≥10 ¹²	-	ASTMD257
Density	g/cm ³	2.52	±5%	ASTM D792
Operating temperature	°C	-50~+150	-	-
Tensile Strength @3.0mm	kgf/cm ²	230	-	ASTM D412
Elongation	%	55	-	ASTM D412
Viscosity	Pa·s	10~50	-	Brookfield
Weight Loss	%	<1	-	ASTM E595 Modified
Curing Time @25° C	Hrs	6	±10%	-
Curing Time @50° C	Hrs	0.6	±10%	-
Curing Time @80° C	Hrs	0.08	±10%	-
Standard Package	-	Pot	-	-
Hardness	Shore OO	90	±10	-
Mixing Ratio	gram	1:1	-	-

- 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.

T-Global Technology (Europe & North America) Ltd.

Units 1-2 Cosford Business Park, Central Park, Lutterworth, Leicestershire, LE17 4QU, United Kingdom

T +44 (0)1455 553 510 E sales@tglobaltechnology.com W www.tglobaltechnology.com

Version19
20240220

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.