TG-A730AB / S730AB

Silicone Potting Compound

REACH Compliant | RoHS Compliant

Features

- Good thermal conductivity
- Cured by heat
- A:B = 1:1
- Pistol friendly & easy assembly
- Low viscosity

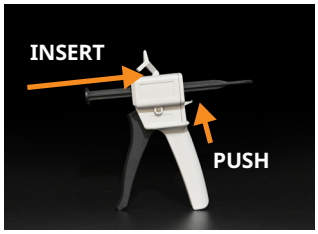
Application:

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.

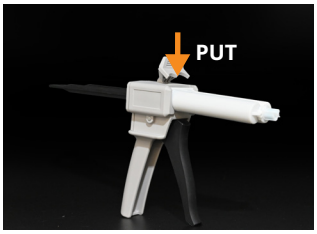
Storage:

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 Push the latch and insert the stick.



② Put the tube in.

③ Close the cover.

Properties

Thermal Conductivity : 2.1 W/m•K

0 0.8 1.2 1.4 1.6 1.7 1.8 2.2 3.2 3.6 4.0 4.5 5.0 15 20

Hardness : 60 (Shore A)

0 5 10 15 20 25 30 40 80

Properties	Unit	TG-A730AB / S730AB	Tolerance	Test Method
Thermal Conductivity	W/m•K	2.1	±10%	ASTM D5470 Modified
Color	-	Gray	-	-
Dielectric Breakdown Voltage	KV/mm	≥11	-	ASTM D149
Volume Resistivity	Ohm-m	$1*10^{12}$	-	ASTM D257
Density	g/cm^3	2.3	±5%	ASTM D792
Operating Temperature	° C	-50~+200	-	-
Viscosity	Pa·s	6~12	-	Brookfield
Curing Time @25° C	Min	180	-	-
Curing Time @60° C	Min	15	-	-
Curing Time @100° C	Min	5	-	-
Standard Package	-	Tube/Pot	-	-
Hardness	Shore A	60	±10	ASTM D2240
Mixing Ratio	gram	1:1	-	-

▶ 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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