



# TG-A720AB / S720AB Silicone Potting Compound

REACH Compliant    RoHS Compliant

## Features

- Good thermal conductivity
- Cures at room temperature or with heat
- High stability
- Water proof

## 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.

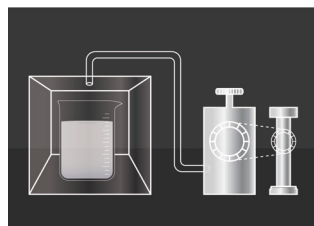
## Storage

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.

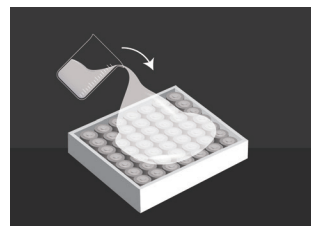
## Operation Manual



① Mix component A and B.



② Vacuum out air.

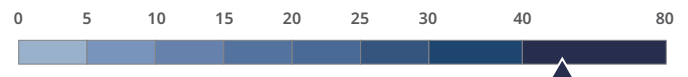
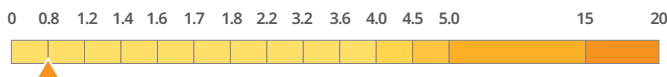


③ Pour potting compound.

## 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	-	By T-Global
Density	g/cm <sup>3</sup>	1.97	±5%	ASTM D792
Operating Temperature	° C	-40~+180	-	-
Viscosity	Pa·s	2~10	-	Brookfield Viscometer
Curing Time @25° C	hr	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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