

### Organic silicon thermal conductive gel IOTA DZ6200PC

IOTA DZ6200PC additive silicone thermal conductive adhesive is a two component product that is soft and compressible after curing. It is mainly used for heat dissipation of heating components such as power batteries and electronic equipment.

#### Product features

- Excellent electrical insulation performance.
- Good thermal conductivity, with a thermal conductivity coefficient of  $2W \cdot m^{-1} \cdot K^{-1}$ .
- Can be cured at room temperature or by heating.
- After application, it does not flow in the horizontal or vertical direction.
- It is easy to rework after solidification.
- Flame retardant grade: V-0.
- The shrinkage of the product is small after curing.

#### Product parameters

Inspection items	Test Method	Results
Appearance of component A	Visualization	White
Appearance of component B	Visualization	Blue
Component A viscosity(Pa·s,10 rpm)	GB/T 10247	334
Group A thixotropy index(2rpm/10rpm)	/	2.4
Component B viscosity (Pa·s,10 rpm)	GB/T 10247	352
Thixotropy index of component B(2rpm/10rpm)	/	2.3



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**Iota Silicone Oil(Anhui) Co., Ltd**

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Mixing ratio (weight ratio)	/	1:1
Specific gravity after mixing (g/cm <sup>3</sup> )	GB/T 13354	2.1
Operable time (min/25°C)	GB/T7123.1-2015	60
Curing time (h/25°C)	/	4
Curing time (h/80°C)	/	0.5
Hardness after curing(Shore00)	GB/T 531.1	55
Thermal conductivity coefficient [ W·m-1·K-1) ]	ISO 22007-2	2.07
Breakdown voltage (kV/mm)	GB/T 1695	11
Volume resistivity (Ω·cm)	GB/T1692	1.0×10 <sup>13</sup>
Flame retardant performance	UL94	V-0
Operating temperature (°C)	/	-50-200

The data in the table is for reference only, please refer to the measured data

### Operation and Safety

- Clean up the dust, oil, etc. on the surface of the substrate before use.
- Components A and B should be fully mixed to avoid affecting the curing.
- The glue will not cure if it contacts the following chemicals: organic compounds of N, P, S; ionic compounds such as Sn, Pb, Hg, As; compounds containing alkynes and polyvinyls.
- Wear protective gloves for long-term or repeated contact.
- Keep away from fire, sparks and open flames, keep the container sealed, and use explosion-proof electrical, ventilation and lighting equipment.
- This product is a non-dangerous product and can be transported as a non-dangerous product.

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### Package

- This product can be provided in 400ml, 600ml double tube packaging or other packaging according to customer needs

### Storage and Shelf life

- This product should be stored in a well ventilated place with a storage temperature below 30 °C and a storage period of 6 months.

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