

A single-component pre-cured thermally conductive silicone gel IOTA DZ125

IOTA DZ125 is a single-component thermally conductive silicone gel, which is suitable for the bonding and heat dissipation of various automotive electronic equipment, communication equipment, network terminal equipment, electronic and electrical equipment and modules.

Product Features

- Single-component silicone gel, no mixing and curing required;
- High thermal conductivity, low thermal resistance;
- High surface viscosity, reworkable;
- Soft, stress-free, easy to compress;
- Medium thickness, about 0.1~1mm;
- No sedimentation, no flow, can fill any uneven gaps.

Product parameters

Inspection items	Test Method	Results
Extrusion rate, mL/min	30mL EFD syringe dispensing, pressure 621kPa	25
Density (g/cm ³)	GB/T 533	2.8
Deflection under different forces @ 0.0060MPa @ 0.0100MPa @ 0.0175MPa @ 0.0300MPa @ 0.0480MPa	ASTM C165	Offset, % 30 40 50 60 70
Mini glue layer thickness, mm	/	0.10
Thermal Conductivity, W/m·K	ISO 22007-2	2.5
Total mass loss Outgassing (TML), %	ASTM E595	0.12



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Specific heat, J/g·K	ASTM E1269	1
Operating temperature, °C	/	-55~200
Volume resistivity, Ω·cm	GB/T 1692	V0
Flame retardancy	UL 94	1015
RoHS standard	/	Pass

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

Operation and Safety

- IOTA DZ125 is a fully cured material that does not require any curing process and can be applied through automated equipment with air supply.
- IOTA DZ125 is a one-component thermally conductive silicone gel that contains neither toxic nor corrosive substances. Special handling precautions may be required and general industrial hygiene regulations should be followed.
- Wear protective gloves for long-term or repeated contact.
- Transport as non-hazardous goods.
- Keep away from heat/sparks/open flames, no smoking, and keep containers closed. Use explosion-proof electrical/ventilation/lighting equipment.

Package

- 300mL/bottle or packaged according to customer needs

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