

Fill gaps around the heat source for improving heat dissipation. Eliminate running and vaporization problems. Easily spreads over heat generating devices.



## Typical Properties

Item		DP-100	Test Method
Thermal conductivity (W/m·K)	Our tests	6.5	—
	Hot Wire Method <sup>※1</sup>	2.1	JIS R 2616
Hardness (Cone penetration 1/10mm, not mixed)		51	JIS K 6249 (1/4cone)
Appearance		Gray paste	—
Specific gravity		2.8	JIS K 6249
Volume resistivity (Ω·cm)		5.9×10 <sup>13</sup>	JIS K 6249
Dielectric breakdown voltage (kV/mm)		5.0	JIS K 6249
Dielectric constant	<50Hz	8.9	JIS K 6249
	<1kHz	7.8	JIS K 6249
	<1MHz	7.0	JIS K 6249
Dielectric dissipation factor	<50Hz	0.234	JIS K 6249
	<1kHz	0.061	JIS K 6249
	<1MHz	0.015	JIS K 6249
Low molecular weight Siloxane level ΣD4-10 (ppm)	Solvent extraction method	less than 700	—
	Head space Method <sup>※2</sup>	less than 1	—
RoHS controlled substances		Not detected	—
Temperature range (°C)		-40~200	—

※1 Hot Wire Method : Using the QTM-500 Quick Thermal Conductivity Meter, from Kyoto Electronics Manufacturing Co., LTD.

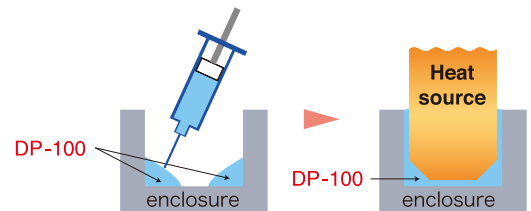
※2 Head Space Method : at 70°C



## Suggested Uses

- Gaps around heat sources such as high performance semiconductors.
- The surface, underside or lead lines of heat sources such as ICs.
- Heat sources without sufficient space for sheet-type thermal conductive materials.

## 【Filling Example】 DP-100

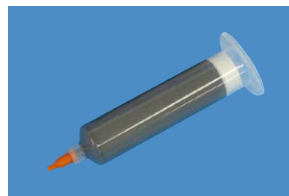


## Delivery Format

### 【Basic Specifications】

<b>DP-100</b>	Syringe	30cc
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※ Other syringes or bottles are also available.



## Notes

- To the best of our knowledge, the information and statements on this brochure are believed to be true and reliable; however, the PRODUCTS described herein are sold WITHOUT ANY GUARANTEE OR WARRANTY INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR PARTICULAR PURPOSES since the application and conditions of each use vary and change, and are beyond the control of manufacturer and seller(s). The customers and users of the PRODUCTS shall assume the responsibility for determining the suitability of the PRODUCTS based on their tests and for whatever risks and liability associated with the use of the PRODUCTS. NEITHER MANUFACTURER NOR SELLER(S) SHALL BE LIABLE EITHER IN TORT OR CONTRACT OR ANY OTHER CAUSE FOR ANY KIND OF LOSS OF PROFITS OR DAMAGE, INCIDENTAL, DIRECT, OR CONSEQUENTIAL, ARISING OUT OF OR IN CONNECTION WITH THE USE OF OR THE INABILITY TO USE THE PRODUCTS.
- It is highly recommended that users would not use the products shown in the brochure in medical applications, particularly for implantation use.
- The users shall be aware of the fact that silicone oil could breed from silicone-gel. It is therefore that any user should be responsible for conducting reliability test in advance before delivering the products in the market.
- The silicone-gel contains low molecular siloxane, which could be volatile.