

HT4500 Thermally Conductive Gap Filler

BENEFITS AND FEATURES

- One-part, pre-cured
- Low viscosity
- Dispensable and printable
- Reliable thermal performance
- No pump out and cracking risk

OVERVIEW

Honeywell HT4500 dispensable/printable gap filler is silicone-based and filled with advanced ceramic fillers. It is formulated to deliver high dispense rate for improved productivity, good gap filling ability under low pressure and low contamination to devices. The viscosity is modified for printing process. The material is designed to minimize thermal resistance at interfaces, maintain excellent performance through reliability testing.

TYPICAL APPLICATIONS

- Consumer electronics
- Telecommunications equipment
- Memory & power modules
- Power electronics

Property	HT4500	Test Method
Feature	Silicone-based	-
	Pre-cured	-
Color	Green	Visual
Thermal Conductivity (W/m-K)	4.5	ASTM D5470
Dispense Rate (g/min)	>40	90psi 30cc EFD syringe
Specific Gravity	3.3	ASTM D792
Volume Resistivity (Ohm-cm)	$>1.0 \times 10^{13}$	ASTM D257
Dielectric Strength (KV/mm)	5	ASTM D149
Storage Condition	RT	-
Shelf Life (month)	12	-

Honeywell Electronic Materials

USA: 1-509-252-2102
China: 400-840-2233
Germany: 49-5137-999-9199
Japan: 81-3-6730-7092
Korea: 82-2-3483-5076
Singapore: 65-6580-3593
www.electronicmaterials.com

Although all statements and information contained herein are believed to be accurate and reliable, they are presented without guarantee or warranty of any kind, express or implied. Information provided herein does not relieve the user from the responsibility of carrying out its own tests and experiments, and the user assumes all risks and liability for use of the information and results obtained. Statements or suggestions concerning the use of materials and processes are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all toxicity data and safety measures are indicated herein or that other measures may not be required.