

## SILCOOL™ TIA141GF Thermally Conductive Silicone Gap Filler

### Product Description

SILCOOL TIA141GF is a dispensable, 1-component, pre-cured thermal gap filler. Its non-slump characteristics after dispense can provide physical stability to retain shape until assembly, and since it is a dispensable material, TIA141GF flows can conform to complex designs and non-uniform thicknesses of assemblies at minimized assembly pressures. TIA141GF provides good thermal conductivity for efficient heat transfer and is repairable. It can be stored at room temperature and does not require a curing process.

### Key Features and Typical Benefits

- High thermal conductivity
- Easy to use 1-component formulation
- Non-slumping after dispense
- Conforms to complex shapes of 3-dimensional interface designs
- No curing process required
- Repairable
- Room temperature storage

### Typical Physical Properties

Criteria		Properties
Type		1 Part thermal putty
Color		Gray
Density (23°C)	g/cm <sup>3</sup>	3.2
Dispensability* <sup>1</sup>	g/min	55
Thermal Conductivity* <sup>2</sup>	W/m·K	4.1
Thermal Resistance * <sup>2</sup> (BLT: 134um)	cm <sup>2</sup> .K/W	0.37
Volume Resistivity	Ω·cm	4.0 x 10 <sup>12</sup>
Dielectric Strength	kV/mm	18

\*1 30cc EFD syringe, Ø2mm, 90psi \*2: ASTM5470

Typical properties are average data and are not to be used as or to develop specifications.

### Packaging

300ml cartridge

### Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement or recommendation to practice any invention covered by any patent, without authority from the owner of the patent.

### Product Safety, Handling and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock

emergency service for its products. SDS are available at [www.momentive.com](http://www.momentive.com) or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

**Limitations**

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

**Contact Information**

Email

[commercial.services@momentive.com](mailto:commercial.services@momentive.com)

**Telephone**

**Americas**

+1 800 295 2392  
Toll free\*  
+704 805 6946  
Direct Number

\*All American countries

**Latin America**

**Brazil**  
+55 11 4534 9650  
Direct Number

**Mexico**  
+52 55 2169 7670  
Direct Number

**EMEAI- Europe, Middle East, Africa & India**

**Europe**  
+390510924300  
Direct number

**India, Middle East & Africa**  
+ 91 44 71212207  
Direct number\*

\*All Middle Eastern countries, Africa, India, Pakistan, Bangladesh, Sri Lanka.

**ASIA PACIFIC**

**China**  
800 820 0202  
Toll free  
+86 21 3860 4892  
Direct number

**Japan**  
+81 3 5544 3111  
Direct number

**Korea**  
+82 2 6201 4600  
Direct number

**South East Asia, Australia & New Zealand**  
+60 3 9206 1543  
Direct number\*

\*South East Asia countries (Malaysia, Singapore, Thailand, Indonesia, Vietnam, Philippines, Cambodia, Myanmar / other countries located in Pacific region).

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260 Hudson River Road Waterford,  
NY 12188 USA  
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