



### PRODUCT DESCRIPTION

Tputty™ SF560 is a high-performance single component dispensable gap filler designed to offer thermal conductivity of 5.6 W/mK, along with superior thermal resistance. Its silicone-free formulation and ultra-soft properties make it suitable for all automotive applications that require low compressive forces and are sensitive to volatile silicone molecules or silicone oil bleeding.

### FEATURES AND BENEFITS

- Silicone Free (SF)
- High Temperature Resistance
- Dispensable and Compliant
- Easily reworkable
- Meets RoHS and REACH requirements
- Very low fogging

### APPLICATIONS

- ADAS: Cameras, Radars, Lidars, ECUs
- Automotive display & infotainment
- Semiconductors
- Power Electronics (IGBT, MOSFET)
- Consumer Electronics
- Telecommunication
- Optical Fiber

### MAIN PROPERTIES

TYPICAL PROPERTIES	VALUE	TEST METHOD
Composition	Ceramic filled silicone-free dispensable gap filler	
Color	White-Gray	Visual
Thermal Conductivity	5.6 W/mK	Hot Disk
Flow rate (75cc, 90psi)	60 g/min	Laird Method
Density	3.4 g/cc	Helium pycnometer
Minimum Bond Line Thickness	0.150 mm	Laid Method
Operating Temperature Range	-40°C to 150°C	
UL Flammability Rating	V0	UL94 pending
Dielectric Breakdown Voltage	6 kV at 1mm	ASTM D149
Volume Resistivity	$4 \times 10^{14}$ ohm·cm	ASTM D257
Fogging (100°C/3h)	99%	ISO6452/2021
Outgassing TML / CVCM	0.03% / 0.01%	ASTM E595
Shelf life	6 months	Laird Method

Data for design engineer guidance only; observed performance varies in application. CTE variation is to be taken into consideration. Engineers are reminded to evaluate the material in application.

### PACKAGING

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TYPE	FILL VOLUME	FILL WEIGHT
30cc syringe	30cc	101g
75cc plastic cartridge	56cc	190g
180cc plastic cartridge	159cc	537g
360cc plastic cartridge	326cc	1100g
600cc plastic cartridge	601cc	2028g
1 gallon steel pail	3820cc	13kg
5 gallon HDPE pail	5880cc	20kg

THR-DS-Tputty™ SF560

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