



# TG-NSP25

## Non-Silicone Thermal Putty

Version 1.190919

### Non-Silicone Thermal Putty

NSP-25 is a one-part, fully cured non-silicone gap filler with has been designed to reduce the time to market and overall cost of ownership for production processes.

NSP-25 is ready for dispensing which gives a significantly simpler design process and allows products to be brought to market with reduced lead-times. This product is also ideally suited for automation and T-Global Technology offers a complete turn-key solution to support this. This product provides:

- A low thermal impedance, when compared to traditional gap filler, for a wide range of gaps, which allows a greater degree of design flexibility to be achieved
- Proven reliability under conditions of thermal cycling, shock and vibration
- Deflects easily under low pressures which decreases stress on fragile or delicate components

### Features

Shapeable and compressible  
 Low thermal resistance  
 High viscosity  
 Available in cartridges (30cc, 55cc) and pails (2.1kg, 9kg, 36kg)

### Applications

Consumer electronics, Automotive, Set-top boxes, IP routers, ECUs, Memory and Power modules

### Properties

- ✓ REACH Compliant
- ✓ ROHS Compliant

Property	TG-NSP25	Unit	Test Method
Colour	Grey	-	Visual
Flow Rate, 30cc syringe with no tip, 2.54mm orifice 621 Kpa,	60	g/min	T-Global
Specific Gravity	2.7	-	ASTM D792
Typical bond line thickness	0.1	mm	T-Global
Thermal Conductivity	2.5	W/mk	ASTM D5470
Operating Temperature Range	-40 - 200	C	T-Global
Volume resistivity	2.15 x 10 <sup>15</sup>	Ohm-cm	ASTM D257
Flammability Rating	V-0 (pending)	-	UL94
ROHS Compliant	Yes	-	T-Global
Shelf Life	60	months	TG

### Standard Packaging

Size	Pot		Weight			
	Cartridges	30cc	55cc	-	-	-
	Pails	-	-	2.1kg	9kg	36kg

T-Global Technology Limited  
 1 & 2 Cosford Business Park, Central Park,  
 Lutterworth, Leicestershire LE17 4QU U.K.

Tel: +44 (0)1455 553 510  
 Email: sales@tglobaltechnology.com  
 Web: www.tglobaltechnology.com  
 VAT #: GB 116 662 714

**NOTICE:** The information contained herein is to the best of our knowledge true and accurate. However, since the varied conditions of potential use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part and users should make their own test to determine the suitability of our products in any specific situation. This product is sold without warranty either expressed or implied, of fitness for a particular purpose or otherwise, except that this product shall be of standard quality, and except to the extent otherwise stated in T-Global Technology Europe and North America's invoice, quotation, or order acknowledgment. We disclaim any and all liabilities incurred in connection with the use of information contained herein, or otherwise. All risks of such are assumed by the user. Furthermore, nothing contained herein shall be construed as a recommendation to use any process or to manufacture or to use any product in conflict with existing or future patents covering any product or material or its use.