



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 ¹⁵	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

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