



# TG-NSP35LV

## Non-Silicone Thermal Putty

RoHS Compliant

### Features

- Thermal Conductivity 3.5 W/mK
- Easily dispensable from manual, semi-automatic or fully automatic systems
- Full turn-key support from T-Global
- Low thermal impedance
- Low viscosity at room temperature
- Ultra-low compression forces
- High tack on most surfaces and reworkable
- Proven long term reliability

### Applications

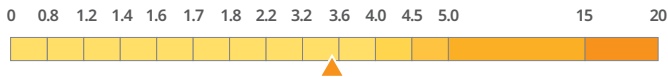
Consumer Electronics - Set-top boxes, IP routers, ECUs, Memory and Power modules

### Standard Sizes

Syringe	Pot / Pail
30cc	0.45kg
55cc	2.2kg
	9kg
	36kg

### Properties

#### Thermal Conductivity : 3.5 W/mK



Properties	TG-NSP35LV	Unit	Test Method
Thermal Conductivity	3.5	W/mK	ASTM D5470
Viscosity @ 25° C	1,000,000	1 sec <sup>-1</sup> , cPs	Rheometer
Viscosity @ 50° C	750,000	1 sec <sup>-1</sup> , cPs	Rheometer
Colour	Grey	-	Visual
Flow Rate (30cc syringe, 50psi @ 25° C)	8	g/min	T-Global
Specific Gravity @ 25° C	2.7	-	ASTM D-70
Anticipated Minimum Bond Lines	150	µm	-
Operating Temperature Range	-40~+200	° C	T-Global
Bleed @ 200° C, 24 hours	<0.3	%/Wt	ASTM 6814-17
Evaporation @ 200° C, 24 hours	<0.1	%/Wt	ASTM 6814-17
Dielectric Strength, 1.27mm gap	>12	kV/mm	ASTM D-149
Dielectric Strength, 1.27mm gap after exposure to 85° C/85% R.H. for 48 hours	>8	kV/mm	ASTM D-149
Dielectric Constant 25° C @1,000 Hz	5.0	-	ASTM D-150
Dissipation Factor 25° C @1,000 Hz	0.0027	-	ASTM D-150
Volume Resistivity, ohm-cm	2.15 x 10 <sup>15</sup>	ohm-cm	ASTM D-257
Shelf Life	60	months	T-Global

For full turn-key support, including design, testing, supply and installation of dispensing systems suitable for prototyping to fully automated volume production, please contact T-Global Technology.

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T-Global Technology are proud to announce the launch of a new company logo and mission statement as part of the ongoing growth and evolution of our company's brand.

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