

## High Performance Dispensable Gap Filler



### PRODUCT DESCRIPTION

Laird Tputty™ 607 is a high thermally conductive single part dispensable material designed with automation and vertical stability in mind. Laird has leveraged its knowledge of thermally conductive fillers and resin systems to develop a single part dispensable that demonstrates reliability in a variety of application orientations.

Tputty™ 607 is ideal for applications that can benefit from automation and allows minimization of SKUs in applications with gap variability. In addition to providing application flexibility and variable gap adaptation, Tputty™ 607 will exert minimal stress on your component while maintaining interface contact to maximize thermal transfer. Combined with Laird's global technical support and global footprint, deploying Tputty™ 607 is easier than ever.

When it is time to integrate Tputty™ 607 into your production environment, Laird can work with your existing dispensing partner or provide recommendations for a dispensing equipment provider.

### FEATURES AND BENEFITS

- RoHS Compliant
- Complete Dispensing Solution Options Available
- 6.4 W/mK
- Demonstrated thermal cycling stability
- Low outgassing per ASTM E595
- Available in cartridges (75cc, 180cc, 360cc, 600cc) and pails (1 gallon and 5 gallon)

Packaging Size	Fill Volume	Fill Weight
<b>75cc (2.5 oz)</b>	56cc	193g
<b>180cc (6 oz)</b>	159cc	549g
<b>360cc (12 oz)</b>	326cc	1242g
<b>600cc (20 oz)</b>	601cc	2070g
<b>1 gallon</b>	3768cc	14kg
<b>5 gallon</b>	5797cc	20kg

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Europe: +44.(0).8031.2460.0  
Asia: +86.755.2714.1166

[www.lairdtech.com](http://www.lairdtech.com)

THR-DS-Tputty 607 10/13/2020

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### TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE	METHOD
<b>Construction</b>	Ceramic filled silicone dispensable	N/A
<b>Color</b>	Blue	Visual
<b>Thermal Conductivity (W/mK)</b>	6.4	Hot Disk
<b>Flow Rate (75cc taper tip, 0.125" orifice, 90 psi)</b>	60 g/min	Laird Test Method – A16724-00
<b>Density (g/cc)</b>	3.45	Helium Pycnometer
<b>Flammability</b>	V-0	UL 94
<b>Operating Temperature Range</b>	-40 to 200°C	Laird Test Method
<b>Outgassing TML (weight %)</b>	0.204	ASTM E595
<b>Outgassing CVCM (weight %)</b>	0.01	ASTM E595
<b>Dielectric Breakdown</b>	>6000 VAC (at 40 mil)	ASTM D149
<b>Dielectric Constant @ 1MHz</b>	15.0	ASTM D150
<b>Minimum Bond line Thickness</b>	0.150 mm (0.006")	Laird Test Method - A16112-00
<b>Volume Resistivity (ohm-cm)</b>	10 <sup>13</sup>	ASTM D257

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