

High Performance Dispensable Gap Filler Preliminary



TPUTTY™ 607 DISPENSABLE GAP FILLER 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
75cc (2.5 oz)	56cc	193g
180cc (6 oz)	159cc	549g
360cc (12 oz)	326cc	1242g
600cc (20 oz)	601cc	2070g
1 gallon	3768cc	13kg
5 gallon	5797cc	20kg

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SPECIFICATIONS

(typical values)

PROPERTY	TYPICAL VALUE	METHOD
Construction	Ceramic filled silicone dispensable	N/A
Color	Blue	Visual
Thermal Conductivity (W/mK)	6.4	Hot Disk
Flow Rate (75cc taper tip, 0.125" orifice, 40 psi)	60 g/min	Laird Test Method – A16724-00
Density (g/cc)	3.45	Helium Pycnometer
Flammability	V-0 (pending)	UL 94
Temperature Range	-40 to 150°C	Laird Test Method
Outgassing TML (weight %)	0.204	ASTM E595
Outgassing CVCM (weight %)	0.01	ASTM E595
Dielectric Breakdown	>6000 VAC (at 40 mil)	ASTM D149
Dielectric Constant @ 1MHz	15.0	ASTM D150
Minimum Bond line Thickness	0.150 mm (0.006")	Laird Test Method - A16112-00
Volume Resistivity (ohm-cm)	10 ¹³	ASTM D257

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