



## Tputty™ 607 Application Notes

Date: 9/5/2017

*This application note provides general instructions for use for Tputty 607.*

global solutions :  
local support.

Corporate Contact:  
1.636.898.6000

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

## Shipping and Storage

**Shelf Life:** Shelf life for Tputty 607 is 6 months from date of shipment.

**Storage Conditions:** Recommended storage conditions are 0-35°C, at 50% maximum relative humidity. Tputty 607 should be stored in original product packaging until ready for use. Tputty 607 is designed so it will not settle during shipping or storage and therefore should not be remixed. A slight sheen of silicone oil is possible to develop on the surface of the material when supplied in pails and will be incorporated and dispersed in the Tputty 607 material during the pumping/dispensing process.

**Storage under High Pressure:** Tputty 607 should not be stored under high pressure dispensing conditions. If stored for long periods under pressure some separation may be noticed.

## Use

**Recommended Use:** Tputty 607 is a 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 minimum stress on your component while maintaining interface contact to maximize thermal transfer.

## Preparation and Clean-up

**Preparation for Use:** Tputty 607 is ready to use out of the container and no post-cure is needed. Make sure surfaces to be covered are clean and dry. Mixing before use is not recommended; however, the flow rate may be lower than specified on the datasheet if dispensed at temperatures below 23°C.

**Clean-up:** Excess material can be cleaned up using a dry rag. Residual silicone oil can be removed using a clean rag and acetone solvent.

**Exposure to solvents:** Tputty 607 is a silicone material filled with thermally conductive fillers. Exposure to organic solvents and strong bases can result in swelling or removal of the silicone carrier material resulting in degradation or loss of performance. For specific chemical resistance consult Chemical Resistance Tables for silicone materials such as the one listed at the following web address:

[http://www.omega.com/pdf/tubing/technical\\_section/chemical\\_chart\\_5.asp](http://www.omega.com/pdf/tubing/technical_section/chemical_chart_5.asp)

## First Aid

**First Aid:** Safe handling, disposal, and first aid measures are included in the SDS. Please read the SDS before using or handling this product. For further questions, please contact Laird.

## Tputty 607 Dispensing

Tputty 607 can be dispensed with a variety of dispensing systems. The following is a partial list of example equipment for low and high volume dispensing and typical results that can be expected.

PACKAGING SIZE	FILL VOLUME AND WEIGHT			
	EFD		SEMCO	
30cc	30 cc	103 g	30 cc	103 g
75cc (2.5 oz)	56 cc	194 g	62 cc	214 g
180cc (6 oz)	159 cc	548 g	161 cc	555 g
310cc (1/10 gallon)			314 cc	1079 g
360cc (12 oz)	326 cc	1123 g		
600cc (20 oz)	601 cc	2068 g	594 cc	2043 g
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1 gallon	4060 cc	14 kg		
5 gallon	5800 cc	20 kg		

## Nordson EFD Performus II Dispenser

Benchtop air pressure / time dispensing, handheld, for cartridges and syringes



## Nordson Asymtek DispenseMate Dispenser with Nordson EFD 736HPA-NV valve, material supplied by Nordson EFD Rhino bulk unloader

Benchtop air pressure / time dispensing, X-Y table, for cartridges, syringes, and pails

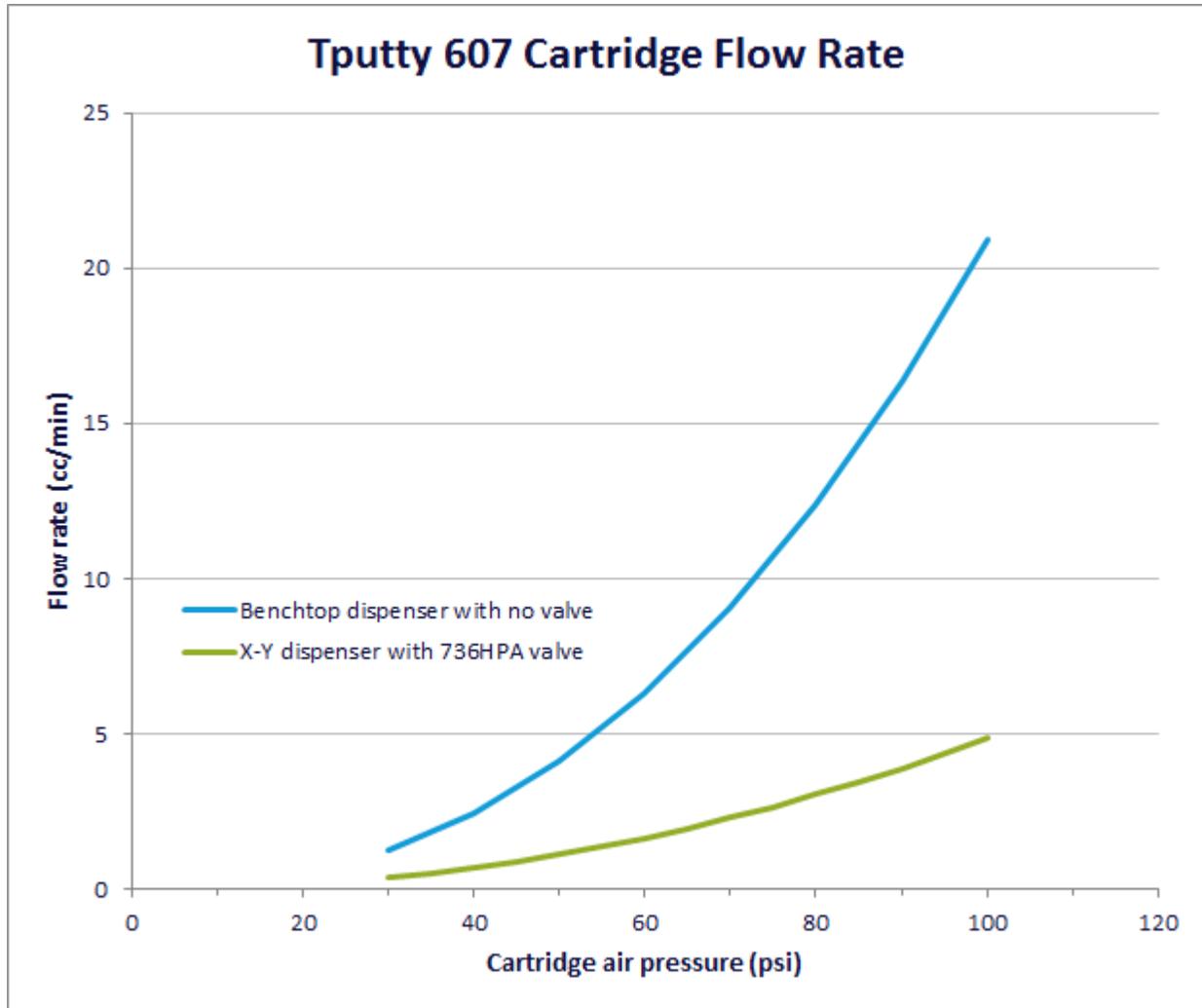


## Graco UniXact Dispenser with Graco Dispensit valve, material supplied by Graco CheckMate Supply System or DynaMite pump

Workstation positive-displacement volumetric dispensing, X-Y table, for cartridges, syringes, and pails



## Typical Cartridge Dispensing Results (Low Volume Applications)



**Typical Pail Dispensing Results (High Volume Applications)**

