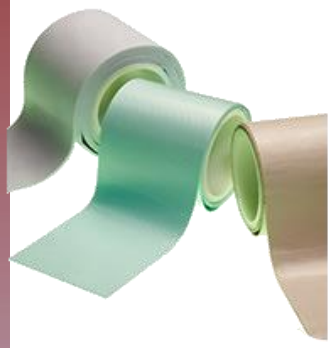
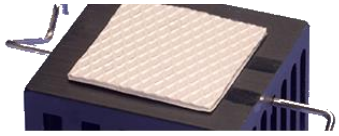
ulTIMiFlux Thermal Gap Filling Pad

SILICONE BASED THERMALLY CONDUCTIVE GAP FILLER







ulTIMiFlux™ RoHS

FEATURES AND BENIFITS

- Excellent Thermal Conductivity
- Natural Tackiness – no need for adhesive
- Excellent Compression Characteristics
- Good Wet-Out and Superb Flexibility
- Excellent Converting Properties
- RoHS and HF Compliant

Wakefield-Vette's ***ulTIMiFlux*** line of thermal interface materials offer high performance, low cost, configurability and custom sizes for your thermal system needs. Thermal Interface Materials (TIM) are a secondary material installed between the heat sink and the device which are designed to improve the thermal transfer to the heat sink. Regardless of how flat or smooth the device and heat sink are, there will always be small air voids between the two surfaces. Since air is a not a great conductor of heat, a TIM replaces the air and fills the voids. There are many types of TIMs and each has its best case usages. Wakefield-Vette's line of thermal gap filling pads are intended to fill a large void between a device and the heat sink. A gap pad is a compressible material most commonly used when there are multiple devices to be contacted to the heat sink, but all the different device heights make it difficult to use a thin material. These materials come in a variety of thicknesses, conductivities, and durometers to meet a wide range of needs.

Part Number Configurator: PL-Thickness- W/ m K- Foot Print – Hypersoft Option

WV Part Number	Description	Size	Thermal Conductivity	Hardness (Shore 00)
PL-05-1-254	0.5mm Thickness 1 W/m K Silicone Gap Filler	25.4mm X 25.4mm	1 W/m K	5
PL-05-1-1016	0.5mm Thickness 1 W/m K Silicone Gap Filler	101.6mm X 101.6mm	1 W/m K	5
PL-1-1-254	1.0mm Thickness 1 W/m K Silicone Gap Filler	25.4mm X 25.4mm	1 W/m K	5
PL-1-1-1016	1.0mm Thickness 1 W/m K Silicone Gap Filler	101.6mm X 101.6mm	1 W/m K	5
PL-2-1-254	2.0mm Thickness 1 W/m K Silicone Gap Filler	25.4mm X 25.4mm	1 W/m K	5
PL-2-1-1016	2.0mm Thickness 1 W/m K Silicone Gap Filler	101.6mm X 101.6mm	1 W/m K	5
PL-05-3-254-H	0.5mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	3 W/m K	20
PL-05-3-1016-H	0.5mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	3 W/m K	20
PL-05-3-254	0.5mm Thickness 3 W/m K Silicone Gap Filler	25.4mm X 25.4mm	3 W/m K	35
PL-05-3-1016	0.5mm Thickness 3 W/m K Silicone Gap Filler	101.6mm X 101.6mm	3 W/m K	35
PL-1-3-254-H	1.0mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	3 W/m K	20
PL-1-3-1016-H	1.0mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	3 W/m K	20
PL-1-3-254	1.0mm Thickness 3 W/m K Silicone Gap Filler	25.4mm X 25.4mm	3 W/m K	35
PL-1-3-1016	1.0mm Thickness 3 W/m K Silicone Gap Filler	101.6mm X 101.6mm	3 W/m K	35
PL-2-3-254-H	2.0mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	3 W/m K	20
PL-2-3-1016-H	2.0mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	3 W/m K	20
PL-2-3-254	2.0mm Thickness 3 W/m K Silicone Gap Filler	25.4mm X 25.4mm	3 W/m K	35
PL-2-3-1016	2.0mm Thickness 3 W/m K Silicone Gap Filler	101.6mm X 101.6mm	3 W/m K	35
PL-05-5-254-H	0.5mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	5 W/m K	40
PL-05-5-1016-H	0.5mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	5 W/m K	40
PL-05-5-254	0.5mm Thickness 5 W/m K Silicone Gap Filler	25.4mm X 25.4mm	5 W/m K	45
PL-05-5-1016	0.5mm Thickness 5 W/m K Silicone Gap Filler	101.6mm X 101.6mm	5 W/m K	45
PL-1-5-254-H	1.0mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	5 W/m K	40
PL-1-5-1016-H	1.0mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	5 W/m K	40
PL-1-5-254	1.0mm Thickness 5 W/m K Silicone Gap Filler	25.4mm X 25.4mm	5 W/m K	45
PL-1-5-1016	1.0mm Thickness 5 W/m K Silicone Gap Filler	101.6mm X 101.6mm	5 W/m K	45
PL-2-5-254-H	2.0mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	5 W/m K	40
PL-2-5-1016-H	2.0mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	5 W/m K	40
PL-2-5-254	2.0mm Thickness 5 W/m K Silicone Gap Filler	25.4mm X 25.4mm	5 W/m K	45
PL-2-5-1016	2.0mm Thickness 5 W/m K Silicone Gap Filler	101.6mm X 101.6mm	5 W/m K	45

Custom Sizes Available Upon Request: **www.wakefield-vette.com**

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***Part Number Configurator*: PL-Thickness- W/ m K- Foot Print – Hypersoft Option**



WV Part Number	Description	Size	Color	Shelf Life	Thermal Conductivity	Dielectric Breakdown Strength	Hardness (Shore 00)
PL-05-1-254	0.5mm Thickness 1 W/m K Silicone Gap Filler	25.4mm X 25.4mm	Gray	3 Years	1 W/m K	>5KVac	5
PL-05-1-1016	0.5mm Thickness 1 W/m K Silicone Gap Filler	101.6mm X 101.6mm	Gray	3 Years	1 W/m K	>5KVac	5
PL-1-1-254	1.0mm Thickness 1 W/m K Silicone Gap Filler	25.4mm X 25.4mm	Gray	3 Years	1 W/m K	>5KVac	5
PL-1-1-1016	1.0mm Thickness 1 W/m K Silicone Gap Filler	101.6mm X 101.6mm	Gray	3 Years	1 W/m K	>5KVac	5
PL-2-1-254	2.0mm Thickness 1 W/m K Silicone Gap Filler	25.4mm X 25.4mm	Gray	3 Years	1 W/m K	>5KVac	5
PL-2-1-1016	2.0mm Thickness 1 W/m K Silicone Gap Filler	101.6mm X 101.6mm	Gray	3 Years	1 W/m K	>5KVac	5



WV Part Number	Description	Size	Color	Shelf Life	Thermal Conductivity	Dielectric Breakdown Strength	Hardness (Shore 00)
PL-05-3-254-H	0.5mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	20
PL-05-3-1016-H	0.5mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	20
PL-05-3-254	0.5mm Thickness 3 W/m K Silicone Gap Filler	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	35
PL-05-3-1016	0.5mm Thickness 3 W/m K Silicone Gap Filler	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	35
PL-1-3-254-H	1.0mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	20
PL-1-3-1016-H	1.0mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	20
PL-1-3-254	1.0mm Thickness 3 W/m K Silicone Gap Filler	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	35
PL-1-3-1016	1.0mm Thickness 3 W/m K Silicone Gap Filler	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	35
PL-2-3-254-H	2.0mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	20
PL-2-3-1016-H	2.0mm Thickness 3 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	20
PL-2-3-254	2.0mm Thickness 3 W/m K Silicone Gap Filler	25.4mm X 25.4mm	Green	3 Years	3 W/m K	>5KVac	35
PL-2-3-1016	2.0mm Thickness 3 W/m K Silicone Gap Filler	101.6mm X 101.6mm	Green	3 Years	3 W/m K	>5KVac	35



WV Part Number	Description	Size	Color	Shelf Life	Thermal Conductivity	Dielectric Breakdown Strength	Hardness (Shore 00)
PL-05-5-254-H	0.5mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-05-5-1016-H	0.5mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-05-5-254	0.5mm Thickness 5 W/m K Silicone Gap Filler	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	45
PL-05-5-1016	0.5mm Thickness 5 W/m K Silicone Gap Filler	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	45
PL-1-5-254-H	1.0mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-1-5-1016-H	1.0mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-1-5-254	1.0mm Thickness 5 W/m K Silicone Gap Filler	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	45
PL-1-5-1016	1.0mm Thickness 5 W/m K Silicone Gap Filler	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	45
PL-2-5-254-H	2.0mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-2-5-1016-H	2.0mm Thickness 5 W/m K Hypersoft Silicone Gap Filler	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	40
PL-2-5-254	2.0mm Thickness 5 W/m K Silicone Gap Filler	25.4mm X 25.4mm	Gold	3 Years	5 W/m K	>5KVac	45
PL-2-5-1016	2.0mm Thickness 5 W/m K Silicone Gap Filler	101.6mm X 101.6mm	Gold	3 Years	5 W/m K	>5KVac	45

***Custom Sizes Available Upon Request:* www.wakefield-vette.com**

ulTIMiFlux Thermal Gap Dispensable Filling Pad

SILICONE BASED THERMALLY CONDUCTIVE GAP FILLER

ulTIMiFlux™ RoHS



The Wakefield-Vette Dispensable Gap Filling material is an ultra-soft thermally conductive silicone supplied as a two- component liquid dispensable material. The thixotropic gap filler is designed to remain where it is dispensed, conform to the surface and cure in place providing thermal protection at thin bond lines with little to no stress on the components during assembly.

Features:

- Dispensable Two-Part Silicone
- High Temperature Resistance
- Low Stress on Components Shock Absorbing
- Low VoC
- RoHS and HF Compliant

Wakefield Vette Part Number	Description	For Use with Hardware
PL-BT-601-50M	ulTIMiflux 1 W/M K 2-PART DISPENSIBLE SILICONE GAP FILLER	BT-01-50M, BT-02-50M
PL-BT-603-50M	ulTIMiflux 3 W/M K 2-PART DISPENSIBLE SILICONE GAP FILLER	BT-01-50M, BT-02-50M
PL-BT-605-50M	ulTIMiflux 5 W/M K 2-PART DISPENSIBLE SILICONE GAP FILLER	BT-01-50M, BT-02-50M

PL-BT-601-50M

Construction / Properties:

Property	Value	Test Method
Color (after mixing)	Gray	Visual
Mix Ratio	1 : 1 by weight	- -
Viscosity (as mixed) [DVT2 Spindle HA 06 at 10 RPM/25 C]	64000 cP	WI-7.6-6
Thermal Conductivity (as cured)	1.0 W/m K	QSP-749
Hardness (Shore 00) (as cured)	5	QSP-731
Dielectric Breakdown Strength (as cured)	>400 V/mil	QSP-750
Cure Conditions	15 hours (at 25 C) 30 min (at 100C)	- -
Continuous Use Conditions	-60 – 200 C	WI-8.2-13
Flammability Rating (as cured)	V-0	UL 94

ulTIMiFlux Thermal Gap Dispensable Filling Pad

SILICONE BASED THERMALLY CONDUCTIVE GAP FILLER

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PL-BT-603-50M

Construction / Properties:

Property	Value	Test Method
Color (after mixing)	Green	Visual
Mix Ratio	1 : 1 by weight	- -
Viscosity (as mixed) [DVT2 Spindle HA 07 at 5 RPM/25 C]	230000 cP	WI-7.6-6
Thermal Conductivity (as cured)	3.0 W/m K	QSP-749
Hardness (Shore 00) (as cured)	35	QSP-731
Dielectric Breakdown Strength (as cured)	>400 V/mil	QSP-750
Cure Conditions	15 hours (at 25 C) 30 min (at 100C)	- -
Continuous Use Conditions	-60 – 200 C	WI-8.2-13
Flammability Rating (as cured)	V-0	UL 94

PL-BT-605-50M

Construction / Properties:

Property	Value	Test Method
Color (after mixing)	Gold	Visual
Mix Ratio	1 : 1 by weight	- -
Viscosity (as mixed) [DVT2 Spindle HA 07 at 5 RPM/25 C]	230000 cP	WI-7.6-6
Thermal Conductivity (as cured)	5.0 W/m K	ASTM D5470
Hardness (Shore 00) (as cured)	45	ASTM D2240
Dielectric Breakdown Strength (as cured)	>400 V/mil	ASTM D149
Cure Conditions	15 hours (at 25 C) 30 min (at 100C)	- -
Continuous Use Conditions	-60 – 200 C	WI-8.2-13
Flammability Rating (as cured)	V-0	UL 94

