

GAP PADS DATA SHEET

Wakefield Thermal'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 Thermal'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.

ultiMiFlux™

Part Number Guide

Fyamn	e.	DI F	-1-1	-76	X197	-40
LXAIIID	с.	ΓLI	-1-1	-10	1L1	-40

Series	PLF (Silicone Free)
	PLX (Silicone Based)
Thickness	1
Thml	1
Conductivity	
Size	76x127
Durometer	40

Wakefield Part Number	Thickness inch (mm)	Thermal Conductivity (W/mK)	Size (mm)	Color
PLF-1-1-76X127-40	0.039 (1.0)	1	76 X 127	White
PLF-1-1-210X310-40	0.039 (1.0)	1	210 X 310	White
PLX-1-1.5-76X127-40	0.039 (1.0)	1.5	76 X 127	White
PLX-1-1.5-210X310-40	0.039 (1.0)	1.5	210 X 310	White
PLX-1-2-76X127-80	0.039 (1.0)	2	76 X 127	Gray
PLX-1-2-210X310-80	0.039 (1.0)	2	210 X 310	Gray
PLX-1-3-76X127-30	0.039 (1.0)	3	76 X 127	Blue
PLX-1-3-210X310-30	0.039 (1.0)	3	210 X 310	Blue
PLF-1-3-76X127-70	0.039(1.0)	3	76 X 127	Off White
PLF-1-3-210X310-70	0.039 (1.0)	3	210 X 310	Off White
PLX-1-5-76X127-40	0.039 (1.0)	5	76 X 127	Gray
PLX-1-5-210X310-40	0.039 (1.0)	5	210 X 310	Gray
PLX-1-6-76X127-48	0.039 (1.0)	6	76 X 127	Gray
PLX-1-6-210X310-48	0.039 (1.0)	6	210 X 310	Gray
PLX-1-7-76X127-68	0.039 (1.0)	7	76 X 127	Gray
PLX-1-7-210X310-68	0.039 (1.0)	7	210 X 310	Gray
PLX-1-8-76x127-40	0.039 (1.0)	8	76 X 127	Gray
PLX-1-8-210x310-40	0.039 (1.0)	8	210 X 310	Gray
PLF-1-8-76X127-70	0.039 (1.0)	8	76 X 127	Gray
PLF-1-8-210X310-70	0.039 (1.0)	8	210 X 310	Gray
PLX-1-10-76X127-55	0.039 (1.0)	10	76 X 127	Gray
PLX-1-10-210X310-55	0.039 (1.0)	10	210 X 310	Gray
PLX-1-12-76X127-58	0.039 (1.0)	12	76 X 127	Gray
PLX-1-12-210X310-58	0.039 (1.0)	12	210 X 310	Gray

wakefieldthermal.com

PLF-1-1-76X127-40 PLF-1-1-210X310-40 TECHNICAL DATA SHEET

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

Illustration Example



uITIMiFlux™

Applications

- Semiconductor heat sink
- Thermal imaging equipment
- Military electronic products
- Vehicle navigation equipment
- · Communication & power equipment
- · Graphics card, memory module
- LED lighting equipment
- HDTVs

For Custom Sizes, **CONTACT** WAKEFIELD

WAKEFIELDTHERMAL

PLF-1-1-76X127-40				
	PLF-1-1-210X310-40			
Color	White	Visual		
Alternative Thickness	0.25mm - 5mm	ASTM D374		
Thermal Conductivity	1.0 W/mK	ASTM D5470		
Specific Gravity	1.9g/cm ³	ASTM D792		
Hardness (Shore OO)	40-80	ASTM D2240		
Elongation	100%	ASTM D412		
Tensile Strength	75psi	ASTM D412		
Dielectric Breakdown Voltage	>8000V/mm	ASTM D149		
UL Flammability Rating	UL94 V-0	UL94		
Volume Resistivity	10¹³Ω.cm	ASTM D257		
Operating Temperature	-40 - 130°C			
Thermal Resistance (1mm,@40psi)	1.10°C*in2/W	ASTM D5470		
Compression Ratio (1mm,@40psi)	30%			
RoHS	PASS	IEC 62321		
Halogen	PASS	EN14582		
Reach	PASS	EN14372		

Alternative size pads available upon request

Features and Benefits

- Wide operating temperature range
- Excellent flame retardance
- Good electrical insulation performance
- · Good flexibility and high compression ratio

The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.



PLX-1-1.5-76X127-40 PLX-1-1.5-210X310-40 **TECHNICAL DATA SHEET**

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

Illustration Example



ΤМ ultiMiFlux

Applications

- · Semiconductor heat sink
- Thermal imaging equipment
- · Military electronic products
- · Vehicle navigation equipment
- · Communication & power equipment
- · Graphics card, memory module
- · LED lighting equipment
- HDTVs

PLX-1-1.5-76X127-40 PLX-1-1.5-210X310-40 White Visual Alternative Thickness 0.15mm to 15.0mm ASTM D374

Thermal Conductivity	1.5 W/mK	ASTM D5470
Specific Gravity	2.1g/cm ³	ASTM D792
Hardness (Shore OO)	30 - 90	ASTM D2240
Elongation	50%	ASTM D412
Tensile Strength	40psi	ASTM D412
Electrical Strength	>8000V/mm	ASTM D149
UL Flammability Rating	UL94 V-0	
Volume Resistivity	10¹³Ω.cm	ASTM D257
Operating Temperature	-50 - 200°C	
Thermal Resistance (1mm,@40psi)	0.9°C*in2/W	ASTM D5470
Compression Ratio (1mm,@40psi)	40%	
Dielectric Constant MHz	5.5	ASTM D150
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
Reach	PASS	EN14372

Alternative size pads available upon request

Color

Features and Benefits

- Wide operating temperature range Excellent flame retardance
- Good electrical insulation performance
- · Good flexibility and high compression ratio



The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.

*Test fixtures using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.



WAKEFIELDTHERMAL For Custom Sizes. CONTACT WAKEFIELD

PLX-1-2-76X127-80 PLX-1-2-210X310-80 TECHNICAL DATA SHEET

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

PLX-1-2-76X127-80 PLX-1-2-210X310-80 Color Gray Visual Alternative Thickness 0.15mm - 15.0mm ASTM D374 Thermal Conductivity 2.0 W/m-k ASTM D5470 Specific Gravity ASTM D792 2.3g/cm³ Hardness (Shore OO) 30-90 ASTM D2240 ASTM D412 Elongation 50% ASTM D412 **Tensile Strength** 40psi Electrical Strength ASTM D149 >8000V/mm UL94 V-0 UL Flammability Rating Volume Resistivity 10¹³Ω.cm ASTM D257 **Operating Temperature** -50 - 200°C Thermal Resistance (1mm,@40psi) 0.7°C*in2/W ASTM D5470 Compression Ratio (1mm,@40psi) 40% **Dielectric Constant MHz** 6.0 ASTM D150 RoHS PASS IEC 62321 PASS EN14582 Halogen Reach PASS EN14372

Illustration Example



ultiMiFiux™

Applications

- Semiconductor heat sink
- Thermal imaging equipment
- Military electronic products
- Vehicle navigation equipment
- Communication & power equipment
- · Graphics card, memory module
- LED lighting equipment
- HDTVs

Alternative size pads available upon request

Features and Benefits

- Wide operating temperature range
- Excellent flame retardance
- Good electrical insulation performance
- · Good flexibility and high compression ratio

The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.

*Test fixtures using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.

WAKEFIELDTHERMAL For Custom Sizes, CONTACT WAKEFIELD

PLX-1-3-76X127-30 PLX-1-3-210X310-30 TECHNICAL DATA SHEET

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

Illustration Example



uITIMiFlux™

Applications

- Semiconductor heat sink
- Thermal imaging equipment
- Military electronic products
- Vehicle navigation equipment
- Communication & power equipment
- Graphics card, memory module
- LED lighting equipment
- HDTVs

Features and Benefits

- Wide operating temperature range
- Excellent flame retardance
- Good electrical insulation performance
- Good flexibility and high compression ratio

WAKEFIELDTHERMAL For Custom Sizes, CONTACT WAKEFIELD

	PLX-1-3-76X127-30	
1	PLX-1-3-210X310-30	
Color	Blue	Visual
Alternative Thickness	0.3mm - 10mm	ASTM D374
Thermal Conductivity	3.0 W/m-K	ASTM D5470
Specific Gravity	2.9g/cm ³	ASTM D792
Hardness (Shore OO)	30 - 90	ASTM D2240
Elongation	40%	ASTM D412
Tensile Strength	30psi	ASTM D412
Electrical Strength	>8000V/mm	ASTM D149
UL Flammability Rating	UL94 V-0	
Volume Resistivity	10¹³Ω.cm	ASTM D257
Operating Temperature	-50 - 200°C	
Thermal Resistance (1mm,@40psi)	0.45°*in2/W	ASTM D5470
Compression Ratio (1mm,@40psi)	30%	
Dielectric Constant 1MHz	7.5	ASTM D150
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
REACH	PASS	EN14372

Alternative size pads available upon request



The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.



PLF-1-3-76X127-70 PLF-1-3-210X310-70 TECHNICAL DATA SHEET

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

Illustration Example



ultiMiFiux™

Applications

- Semiconductor heat sink
- Thermal imaging equipment
- Military electronic products
- Vehicle navigation equipment
- · Communication & power equipment
- · Graphics card, memory module
- LED lighting equipment
- HDTVs

WAKEFIELDTHERMAL For Custom Sizes, CONTACT WAKEFIELD

PLF-1-3-76X127-70 PLF-1-3-210X310-70			
Color	Off White	Visual	
Alternative Thickness	0.25mm - 5.0mm	ASTM D374	
Thermal Conductivity	3.0 W/mK	ASTM D5470	
Specific Gravity	2.9g/cm ³	ASTM D792	
Hardness (Shore OO)	40-80	ASTM D2240	
Elongation	70%	ASTM D412	
Tensile Strength	55psi	ASTM D412	
Dielectric Breakdown Voltage	>8000V/mm	ASTM D149	
UL Flammability Rating	UL94 V-0	UL94	
Volume Resistivity	10¹³Ω.cm	ASTM D257	
Operating Temperature	-40 - 130°C		
Thermal Resistance (1mm,@40psi)	0.6°C*in2/W	ASTM D5470	
Compression Ratio (1mm,@40psi)	30%		
RoHS	PASS	IEC 62321	
Halogen	PASS	EN14582	
Reach	PASS	EN14372	

Alternative size pads available upon request

Features and Benefits

- Wide operating temperature range
- Excellent flame retardance
- Good electrical insulation performance
- · Good flexibility and high compression ratio

The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.



PLX-1-5-76X127-40 PLX-1-5-210X310-40 TECHNICAL DATA SHEET

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

Illustration Example



uITIMiFlux[™]

Applications

- Semiconductor heat sink
- Thermal imaging equipment
- Military electronic products
- Vehicle navigation equipment
- · Communication & power equipment
- Graphics card, memory module
- LED lighting equipment
- HDTVs

Features and Benefits

- Wide operating temperature range
- Excellent flame retardance
- Good electrical insulation performance
- Good flexibility and high compression ratio

WAKEFIELDTHERMAL For Custom Sizes, CONTACT WAKEFIELD

PLX-1-5-76X127-40			
	PLX-1-5-210X310-40		
Color	Gray	Visual	
Alternative Thickness	0.5mm -5.0mm	ASTM D374	
Thermal Conductivity	5.0 W/m-K	ASTM D5470	
Specific Gravity	3.20g/cm ³	ASTM D470	
Hardness (Shore OO)	40-90	ASTM D2240	
Elongation	30%	ASTM D412	
Tensile Strength	30psi	ASTM D412	
Electrical Strength	>8000V/mm	ASTM D149	
UL Flammability Rating	UL94 V-0		
Volume Resistivity	10¹³Ω.cm	ASTM D257	
Operating Temperature	-50 - 200°C		
Thermal Resistance (1mm,@40psi)	0.31°C*in2/W	ASTM D5470	
Compression Ratio (1mm,@40psi)	25%		
Dielectric Constant MHz	9	ASTM D150	
RoHS	PASS	IEC 62321	
Halogen	PASS	EN14582	
Reach	PASS	EN14372	

Alternative size pads available upon request



The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.

PLX-1-6-76X127-48 PLX-1-6-210X310-48 **TECHNICAL DATA SHEET**

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

PLX-1-6-76X127-48 PLX-1-6-210X310-48 Color Gray Visual Alternative Thickness 0.5mm - 5.0mm ASTM D374 Thermal Conductivity 6.0 W/m-K ASTM D5470 Specific Gravity ASTM D792 3.30g/cm3 Hardness (Shore OO) 40-90 ASTM D2240 ASTM D412 Elongation 30% ASTM D412 Tensile Strength 30psi ASTM D149 Dielectric Breakdown Voltage >8000V/mm UL94 V-0 UL94 **UL Flammability Rating** ASTM D257 Volume Resistivity 10¹³Ω.cm **Operating Temperature** -50 - 200°C Thermal Resistance (1mm,@40psi) 0.29°C*in2/W ASTM D5470 Compression Ratio (1mm,@40psi) 25% **Dielectric Constant MHz** 9 ASTM D150 RoHS PASS IEC 62321 PASS EN14582 Halogen Reach PASS EN14372

WAKEFIELDTHERMAL For Custom

Sizes.

CONTACT

WAKEFIELD

Alternative size pads available upon request

Features and Benefits

- · Wide operating temperature range
- Excellent flame retardance
- · Good electrical insulation performance
- · Good flexibility and high compression ratio

Illustration Example



TΜ ultiMiFlux

Applications

- · Semiconductor heat sink
- Thermal imaging equipment
- Military electronic products
- Vehicle navigation equipment
- · Communication & power equipment
- · Graphics card, memory module
- LED lighting equipment
- HDTVs

The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.



PLX-1-7-76X127-68 PLX-1-7-210X310-68 **TECHNICAL DATA SHEET**

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

WAKEFIELD PLX-1-7-76X127-68 PLX-1-7-210X310-68 Color Gray Visual Alternative Thickness 0.5mm - 5.0mm ASTM D374 Thermal Conductivity 7.0 W/m.k ASTM D5470 Specific Gravity ASTM D792 3.40g/cm3 Hardness (Shore OO) 40~80 ASTM D2240 ASTM D412 Elongation 15% ASTM D412 Tensile Strength 20psi ASTM D149 Dielectric Breakdown Voltage >6000V/mm UL94 V-0 UL94 **UL Flammability Rating** ASTM D257 Volume Resistivity 10¹³Ω.cm **Operating Temperature** -50-150°C Thermal Resistance (1mm,@30psi) 0.29°C*in2/W ASTM D5470 Compression Ratio (1mm,@30psi) 30% Dielectric Constant@1MHz 10.0 ASTM D150 RoHS PASS IEC 62321 PASS EN14582 Halogen PASS EN14372 Reach

Illustration Example



Applications

- Semiconductor heat sink
- Thermal imaging equipment
- · Military electronic products
- Vehicle navigation equipment
- · Communication & power equipment
- · Graphics card, memory module
- LED lighting equipment
- HDTVs

Alternative size pads available upon request

Features and Benefits

- Wide operating temperature range
- Excellent flame retardance
- · Good electrical insulation performance
- · Good flexibility and high compression ratio

The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.

*Test fixtures using ASTM D5470. Recorded values include interface thermal resistance. These values are for reference only. The actual application performance is directly related to the applied surface roughness, flatness and pressure.



wakefieldthermal.com

WAKEFIELDTHERMAL For Custom Sizes. CONTACT

PLX-1-8-76X127-40 PLX-1-8-210X310-40 TECHNICAL DATA SHEET

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

Illustration Example



uITIMiFlux™

Applications

- Semiconductor heat sink
- Thermal imaging equipment
- Military electronic products
- Vehicle navigation equipment
- Communication & power equipment
- Graphics card, memory module
- LED lighting equipment
- HDTVs

Features and Benefits

- Wide operating temperature range
- Excellent flame retardance
- Good electrical insulation performance
- Good flexibility and high compression ratio

WAKEFIELDTHERMAL For Custom Sizes, CONTACT WAKEFIELD

PLX-1-8-76x127-40	
PLX-1-8-210x310-40	
Gray	Visual
0.5mm - 3.0mm	ASTM D374
8.0 W/m-K	ASTM D5470
3.40g/cm ³	ASTM D792
40-80	ASTM D2240
15%	ASTM D412
20psi	ASTM D412
>6000V/mm	ASTM D149
UL94 V-0	UL94
10¹³Ω.cm	ASTM D257
-50 - 200°C	
0.29°C*in2/W	ASTM D5470
15%	
5.5	ASTM D150
PASS	IEC 62321
PASS	EN14582
PASS	EN14372
	PLX-1-8-76x127-40 PLX-1-8-210x310-40 Gray 0.5mm - 3.0mm 8.0 W/m-K 3.40g/cm³ 40-80 15% 20psi >6000V/mm UL94 V-0 10 ¹³ Ω.cm -50 - 200°C 0.29°C*in2/W 15% PASS PASS

Alternative size pads available upon request



The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.

PLF-1-8-76X127-70 PLF-1-8-210X310-70 TECHNICAL DATA SHEET

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

Illustration Example



uITIMiFIux™

Applications

- Semiconductor heat sink
- Thermal imaging equipment
- Military electronic products
- Vehicle navigation equipment
- · Communication & power equipment
- · Graphics card, memory module
- LED lighting equipment
- HDTVs

WAKEFIELDTHERMAL For Custom Sizes, CONTACT WAKEFIELD

PLF-1-8-76X127-70 PLF-1-8-210X310-70			
Color	Gray	Visual	
Alternative Thickness	0.5mm - 5.0mm	ASTM D374	
Thermal Conductivity	8.0 W/m.k	ASTM D5470	
Specific Gravity	3.4g/cm ³	ASTM D792	
Hardness (Shore OO)	45-80	ASTM D2240	
Elongation	30%	ASTM D412	
Tensile Strength	30psi	ASTM D412	
Dielectric Breakdown Voltage	>8000V/mm	ASTM D149	
UL Flammability Rating	UL94 V-0	UL94	
Volume Resistivity	10 ¹³ Ω.cm	ASTM D257	
Operating Temperature	-40-120°C	—	
Thermal Resistance (1mm,@40psi)	0.10°C*in2/W	ASTM D5470	
Compression Ratio (1mm,@40psi)	20%		
RoHS	PASS	IEC 62321	
Halogen	PASS	EN14582	
Reach	PASS	EN14372	

Alternative size pads available upon request

Features and Benefits

- Wide operating temperature range
- Excellent flame retardance
- Good electrical insulation performance
- · Good flexibility and high compression ratio

The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.

PLX-1-10-76X127-55 PLX-1-10-210X310-55 TECHNICAL DATA SHEET

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes.

Illustration Example



ultiMiFiux™

Applications

- Semiconductor heat sink
- Thermal imaging equipment
- Military electronic products
- Vehicle navigation equipment
- Communication & power equipment
- Graphics card, memory module
- LED lighting equipment
- HDTVs

Features and Benefits

- Wide operating temperature range
- Excellent flame retardance
- Good electrical insulation performance
- Good flexibility and high compression ratio

WAKEFIELDTHERMAL For Custom Sizes, CONTACT WAKEFIELD

PLX-1-10-76X127-55			
PLX-1-10-210X310-55			
Color	Gray	Visual	
Alternative Thickness	0.5mm - 5.0mm	ASTM D374	
Thermal Conductivity	10.0 W/m-K	ASTM D5470	
Specific Gravity	3.40g/cm ³	ASTM D792	
Hardness (Shore OO)	40-80	ASTM D2240	
Elongation	15%	ASTM D412	
Tensile Strength	10psi	ASTM D412	
Dielectric Breakdown Voltage	>6000V/mm	ASTM D149	
UL Flammability Rating	UL94 V-0		
Volume Resistivity	10 ¹² Ω.cm	ASTM D257	
Operating Temperature	-50 - 150°C		
Thermal Resistance (1mm,@40psi)	0.12°C*in2/W	ASTM D5470	
Compression Ratio (1mm,@40psi)	30%		
Dielectric Constant MHz	12	ASTM D150	
RoHS	PASS	IEC 62321	
Halogen	PASS	EN14582	
Reach	PASS	EN14372	

Alternative size pads available upon request



The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.

PLX-1-12-76X127-58 PLX-1-12-210X310-58 TECHNICAL DATA SHEET

Thermal pads are used for filling the voids between a heat source and heat sink, effectively excluding air from the contact interface. The products are ultra soft, naturally tacky and can be die-cut into various shapes. WAKEFIELDTHERMAL For Custom Sizes, CONTACT WAKEFIELD

Illı	ustr	atior	ı Exaı	nple



ultiMiFlux™

Applications

- Semiconductor heat sink
- Thermal imaging equipment
- Military electronic products
- Vehicle navigation equipment
- · Communication & power equipment
- · Graphics card, memory module
- LED lighting equipment
- HDTVs

PLX-1-12-70X127-56 PLX-1-12-210X310-58		
Color	Gray	Visual
Alternative Thickness	0.8mm - 5.0mm	ASTM D374
Thermal Conductivity	12.0 W/m.k	ASTM D5470
Specific Gravity	3.40g/cm ³	ASTM D792
Hardness (Shore OO)	40-80	ASTM D2240
Elongation	15%	ASTM D412
Tensile Strength	10psi	ASTM D412
Dielectric Breakdown Voltage	>5000V/mm	ASTM D149
UL Flammability Rating	UL94 V-0	
Volume Resistivity	10¹²Ω.cm	ASTM D257
Operating Temperature	-50 - 120°C	
Thermal Resistance (1mm,@40psi)	0.1°C*in2/W	ASTM D5470
Compression Ratio (1mm,@40psi)	≥15%	
Dielectric Constant MHz	12.0	ASTM D150
RoHS	PASS	IEC 62321
Halogen	PASS	EN14582
Reach	PASS	EN14372

Alternative size pads available upon request

Features and Benefits

- Wide operating temperature range
- Excellent flame retardance
- Good electrical insulation performance
- Good flexibility and high compression ratio

The above data is information we consider to be reliable. The data provided is for reference only and no warranty is expressed or implied regarding the accuracy of this data. The properties given are typical values and are not intended for use in preparing specifications. This information is furnished upon the condition that the person receiving it shall make their own tests to determine the suitability for their particular application.





COOLVATION Innovative Thermal Solutions

5 STEP THERMAL ENGINEERING GUIDE From Concept To Cooling

COOLVATION provides thermal management engineering services to improve products' thermal performance while applying cost effective solutions to eliminate unnecessary manufacturing costs. COOLVATION is a seamless resource extension for our customers' thermal & mechanical engineering teams from ideation to lab testing.



603.635.2800

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Wakefield Thermal:

 PLX-1-6-76X127-48
 PLX-1-10-210X310-55
 PLX-1-3-210X310-30
 PLX-1-5-76X127-40
 PLF-1-1-210X310-40
 PLF-1

 8-210X310-70
 PLX-1-8-210x310-40
 PLX-1-1.5-210X310-40
 PLX-1-8-76x127-40
 PLX-1-7-210X310-68
 PLX-1-2

 76X127-80
 PLX-1-3-76X127-30
 PLX-1-12-76X127-58
 PLX-1-6-210X310-48
 PLX-1-1.5-76X127-40
 PLX-1-2

 210X310-80
 PLX-1-7-76X127-68
 PLF-1-1-76X127-40
 PLX-1-10-76X127-55
 PLF-1-3-76X127-70
 PLX-1-5-210X310-68

 40
 PLF-1-3-210X310-70
 PLX-1-12-210X310-58
 PLX-1-12-210X310-58
 PLX-1-12-210X310-58