



Thermal Gap Filler Pad



Product Description

Thermal Gap Filler Pad is design to be used in the applications that require the minimum amount of pressure on components and high thermal conductivity. Jones Thermal Gap Filler Pad is very conformable, filled silicone rubber material and has 1.7-3.8 w/m-k conductivity grades; it is easy to fill in air gaps between PC board and heat sinks or a metal chassis.

Jones Thermal Gap Filler Pad is naturally tacky, requiring no adhesive coating to inhabit thermal performance. It can also be with specific coating becoming single side tacky to allow easy material handling and installation.

Features and Benefits

- High thermal conductivity
- Nature tacky or no sticky on carrier side
- RoHS Compliance
- 211 series offer high hardness for special application.
- 212 series offer low thermal contact resistance with various thermal conductivity
- 218 series offer ultra low stress at over 50% deflection.
- All products are available on fiber glass carrier with suffix F and single side tacky with suffix A

Typical Applications

- Cooling components to chassis, frame, or other mating components
- Memory modules
- Home and small office network equipment
- Mass storage devices
- Automotive electronics
- Telecommunication hardware
- Radios
- LED solid state lighting
- Power electronics
- LCD and PDP flat panel
- Set top boxes
- Audio and video component
- IT infrastructure

Technical Data

TYPICAL PROPERTIES		211 SERIES		212 SERIES					218 SERIES	TEST METHOD
		21-117	21-132	21-217	21-220	21-232	21-240	21-233	21-830	
Physical	Color	Black	Light Green	Black	Light Blue	Light Green	Brown	Grey	Light Green	Visual
	Density (g/cc)	2.35	2.62	2.76	2.9	2.99	2.91	2.5	3	ASTM D792
	standard thickness* (mm)	0.25-5.0							0.5-5.0	ASTM D374
	hardness (shore 00)	60		40					10	ASTM D2240
Thermal	Thermal conductivity (W/m.k)	1.7	3.2	1.7	2	3.2	3.8	3	3	ASTM D5470
	Operation Temperature Range(°C)	-55~200								/
Electrical	Breakdown Voltage (KV/mm)	>5						1**	>5	ASTM D149
	Volume Resistance (ohm-cm)	>10 ¹³								ASTM D257
	Dielectric Constant@ 1MHz	5.85	5.24	4.75	3.8	4.2	3.3	6.14	3.3	ASTM D150
Regulatory	Flammability Rating	UL 94V-0								UL File E309281
	RoHS	Compliant								/
	Shelf life/months	24								/

*Thickness tolerance, ±10% mm @ nominal thickness greater than 1mm; ± 0.1mm @ nominal thickness less than 1mm.

Custom thicknesses may be available upon request

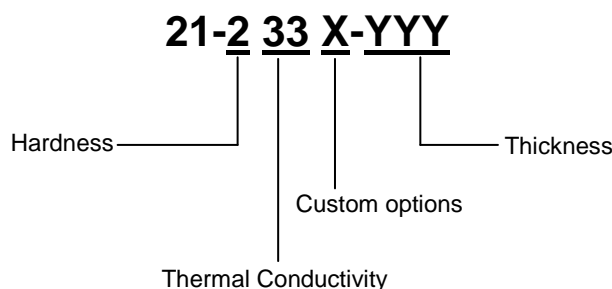
**For all thickness

Ordering Information

Standard Sheet Size

- 16" X 8" (406mmX203mm)
- Less than 0.5mm thick material come standard with fiberglass reinforcement designated by the suffix F

Please use this part number system when ordering Thermal Gap Filler Pad.



Part Number Examples

21-233-200-0003 = Thermal Gap Filler Pad 21-233 in 2mm thickness

21-233A -254-0003 = Thermal Gap Filler Pad 21-233 with single side tacky in 2.54mm thickness

21-233F-025-0003 = Thermal Gap Filler Pad 21-233 with fiberglass reinforcement in 0.25mm thickness

Contact Information

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