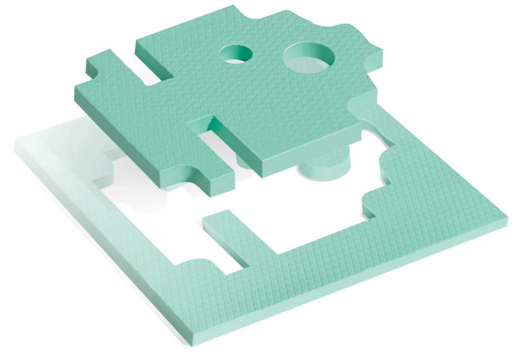


THERM-A-GAP™ PAD 60

6.0 W/m-K Thermally Conductive
Low Compression Force Gap Filler Pad



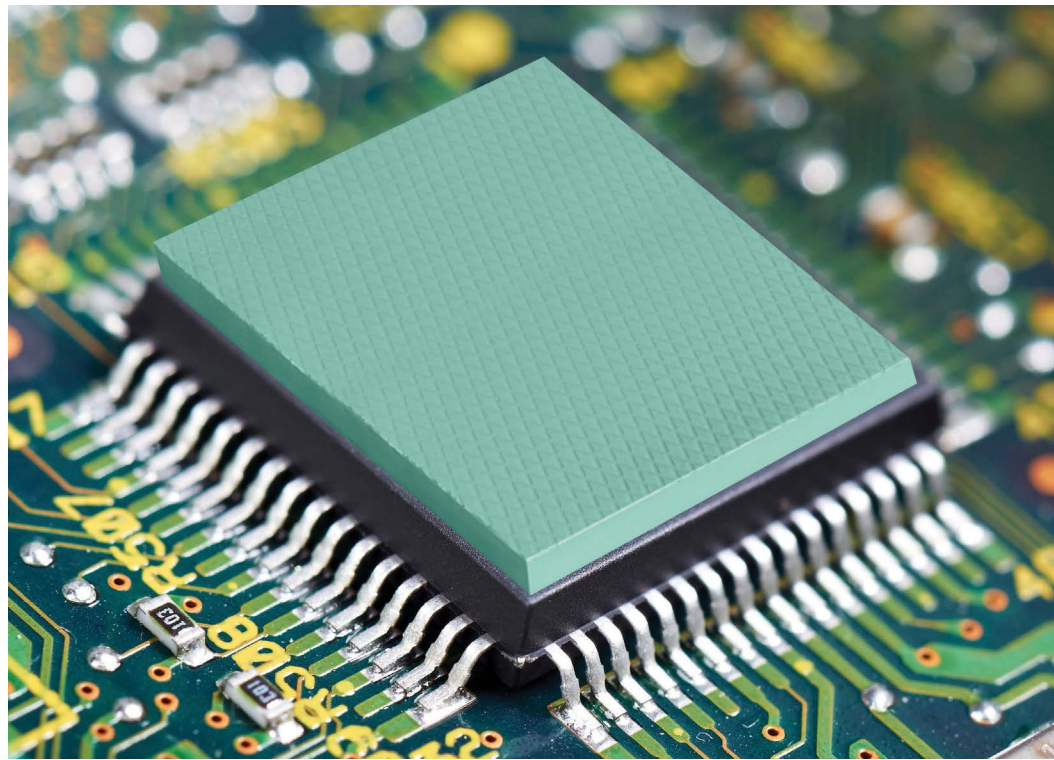
Customer Value Proposition

Parker Chomerics THERM-A-GAP™ PAD 60

is a high performance, thermally conductive gap filler pad with a thermal conductivity of 6.0 W/m-K. It provides excellent heat transfer and low compression forces while still maintaining conformability between mating surfaces.

THERM-A-GAP PAD 60 offers the combination of both excellent thermal conductivity and conformability, along with very low outgassing to provide an effective thermal interface between heat sinks and electronic devices where uneven surfaces, air gaps and rough surface textures may exist.

THERM-A-GAP PAD 60 is manufactured to size and facilitates easy application on the desired component.



Contact Information

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Product Features

- 6.0 W/m-K thermal conductivity
- Low compression force
- High thermal conductivity
- "A" version offers high strength acrylic PSA for permanent attachment
- UL recognized V-0 flammability
- RoHS compliant

Typical Applications

- 5G telecom equipment
- Smart home devices
- Automotive electronics (ECUs)
- LEDs
- Power supplies
- Desktop computers, laptops, servers
- Handheld devices
- Memory modules
- Vibration dampening

THERM-A-GAP PAD 60 Product Information

THERM-A-GAP PAD 60			
Typical Properties†		PAD 60	Test Method
Physical	Color	Green	Visual
	Carrier Options: A= Aluminum foil w/ pressure sensitive adhesive None (unsupported) = No letter suffix	PAD60A PAD60	--
	Standard Thicknesses*, in. (mm)	0.040 - 0.200 (1.0 - 5.0)	ASTM D374
	Specific Gravity	3.3	ASTM D792
	Hardness, Shore 00	40	ASTM D2240
	Percent Deflection @ Various Pressures** (0.120 in thick sample) @ 5 psi (34 kPa) @ 10 psi (69 kPa) @ 25 psi (172 kPa) @ 50 psi (345 kPa)	% Deflected 8 13 24 37	ASTM C165 MOD (0.120 in no Carrier, 0.50 in dia. probe, 0.025 in/min rate)
Thermal	Operating Temperature Range, °F (°C)	-67 to 392 (-55 to 200)	Chomerics
	Thermal Conductivity, W/m-K	6.0	ASTM D5470
	Thermal Impedance, °C-in ² /W (°C-cm ² /W) @ 10 psi, @ 0.04 in. (1mm) thick	0.28 (1.8)	ASTM D5470
	Heat Capacity, J/g-K	1	ASTM E1269
	Coefficient of Thermal Expansion, ppm/K	150	ASTM E831
Electrical	Dielectric Strength, VAC/mil (KVAC/mm)	125 (5.0)	ASTM D149
	Volume Resistivity, ohm-cm	10 ¹³	ASTM D257
	Dielectric Constant @ 1,000 kHz and at 0.079" (2mm) thick	9.3	ASTM D150
	Dissipation Factor @ 1,000 kHz and at 0.079" (2mm) thick	0.006	Chomerics
Regulatory	Flammability Rating (See UL File E140244 for Details)	V-0	UL 94
	RoHS Compliant	Yes	Chomerics Certification
	Outgassing, % TML (% CVCM)	0.05 (0.01)	ASTM E595
	Shelf Life, months from date of shipment (PAD60A)	36 (18)	Chomerics
	Storage Conditions, °F (°C) @ 50% Relative Humidity	50 to 90 (10 to 32)	Chomerics

† Typical properties: these are not to be construed as specifications.

* Thickness tolerance, inches(mm) is ±10% of the nominal part thickness for parts 0.100" (2.5mm) thick or less; those parts greater than 0.100" (2.5mm) thick are held to ±0.010" (0.25mm).

** The typical deflection range is approximately 5-40%.

THERM-A-GAP PAD 60 Ordering Information

THERM-A-GAP™ PAD 60 Thermally Conductive Pads

10" x 15" Sheets - THERM-A-GAP™ PAD 60 Only
"A" carrier and unsupported

Part Number:	6W	—	XX	—	1015	—	ZZZZZZ
	1 = No Pressure Sensitive Adhesive 2 = Pressure Sensitive Adhesive (PSA), Available Only with Aluminum Foil Carrier (A Letter Distinction)		Thickness (in) Available in 0.010" increments from (0.040" - 0.200") (1.0 mm - 5.0 mm)		Sheet Size 1015 = 10" x 15" sheet (254 mm x 381 mm) Maximum sheet size 10" x 15" (254 mm x 381 mm)		Material/Carrier No Carrier (Unsupported) PAD60 Aluminum Foil w/ PSA (A) PAD60A
			0.040 = 04 0.050 = 05 0.060 = 06 0.070 = 07 0.080 = 08 0.090 = 09 0.100 = 10 0.110 = 11 0.120 = 12		0.130 = 13 0.140 = 14 0.150 = 15 0.160 = 16 0.170 = 17 0.180 = 18 0.190 = 19 0.200 = 20		

Ordering Information: Custom Configurations

Sheet thickness tolerance is $\pm 10\%$ of the nominal thickness OR ± 0.010 ", whichever is smaller

Please contact Parker Chomerics for a pre-assigned part number, for custom widths, lengths and part sizes; etc

Available options include:

* Custom die-cut parts on sheets, or as individual parts

Handling Information

These products are defined by Parker Chomerics as "articles" according to the following generally recognized regulatory definition for articles:

An article is a manufactured item "formed to a specific shape or design during manufacturing," which has "end use functions" dependent upon its size and shape during end use and which has generally "no change of chemical composition during its end use."

In addition:

- There is no known or anticipated exposure to hazardous materials/substances during routine and anticipated use of the product.
- The product's shape, surface and design is more relevant than its chemical composition.

These materials are not deemed by Parker Chomerics to require an MSDS. For further questions, please contact Parker Chomerics at 781-935-4850.

parker.com/chomerics

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