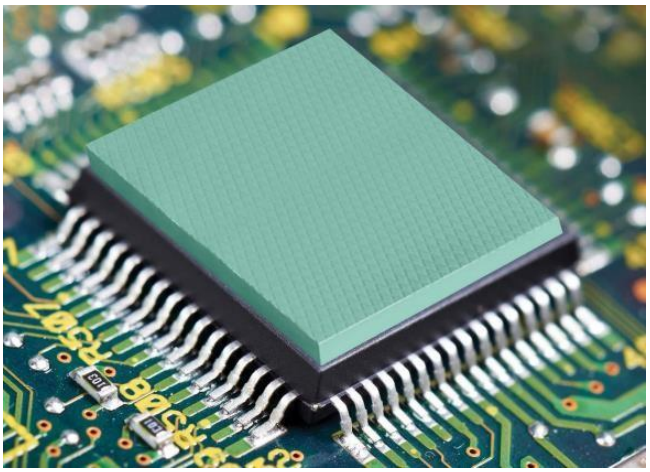
MATRIX

Thermally Conductive Low Compression Force Gap Filler Pad



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 ap

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

IDEAL APPLICATIONS:

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

Authorized Canadian Partner

Parker | Chomerics

AVAILABLE SIZES:

- 0.040" to 0.200"
- Matrix can precision cut to custom part sizes

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MATRIX

MATRIX PRECISION CONVERTING

Your Application. Our Expertise.

Matrix specializes in precision cutting and converting of engineered materials to meet the exact specifications required by manufacturers. Our state-of-the-art equipment and expertise ensure precise customization, providing manufacturers with streamlined solutions to enhance their product quality and performance.

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-in²/W (°C-cm²/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%.