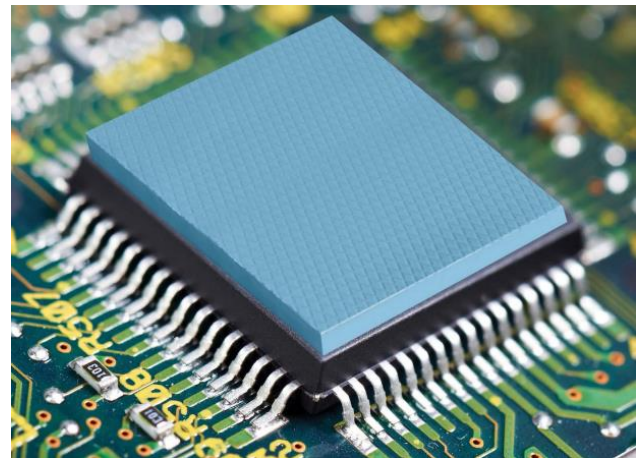
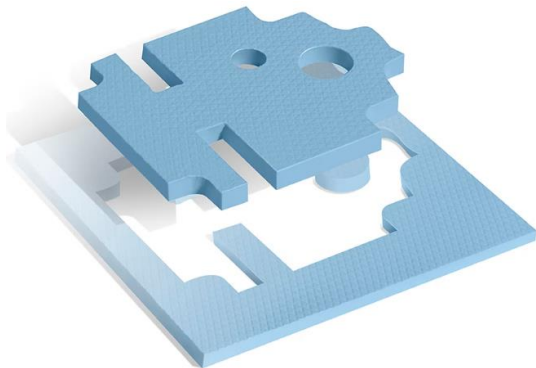


Thermally Conductive Low Compression Force Gap Filler Pad

Parker Chomerics THERM-A-GAP™ PAD 30 is a thermally conductive, electrically isolating gap filler pad with a thermal conductivity of 3.2 W/m-K. Designed to provide effective heat transfer between electronic devices, heat sinks, or other cooling features, THERM-A-GAP PAD 30 offers the ideal combination of heat transfer, low outgassing, and low compressing forces. With a Shore 00 hardness measurement of 30, it is designed to maintain conformability in gaps that contain uneven mating surfaces, air gaps, or where rough surface texture is a concern. THERM-A-GAP PAD 30 was developed to be a universal solution across applications and industries requiring a moderate level of thermal performance in electronic device designs. It is a cost-effective solution and optimized for flexibility of design with several material carrier options available and ease of customization into unique shapes and sizes.

PRODUCT FEATURES:

- 3.2 W/m-K thermal conductivity
- Very low compression force
- Very good thermal conductivity
- High tack surface reduces contact resistance
- “A” version offers high strength acrylic PSA for permanent attachment
- UL recognized V-0 flammability
- RoHS compliant
- Vibration dampening



IDEAL APPLICATIONS:

- Telecommunications equipment
- Consumer electronics
- Automotive electronics (ECUs)
- LEDs and lighting
- Power conversion
- Desktop computers, laptops, servers
- Handheld devices
- Memory modules

Authorized Canadian Partner



AVAILABLE SIZES:

- 0.020” to 0.200”
- Matrix can precision cut to custom part sizes

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 30			
	Typical Properties†	PAD 30	Test Method
Physical	Color	Blue	Visual
	Carrier Options: G = Woven glass - no pressure sensitive adhesive (PSA) A = Aluminum foil - with PSA PN = PEN film KT = Thermally enhanced polyimide No letter suffix = None (unsupported)	PAD30G PAD30A PAD30PN PAD30KT PAD30	--
	Standard Thicknesses*, in. (mm)	0.020 – 0.200 (0.51 – 5.08)	ASTM D374
	Specific Gravity	2.9	ASTM D792
	Hardness, Shore 00	30	ASTM D2240
Thermal	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 17% 26% 38% 49%	ASTM C165 MOD (0.120 in with no Carrier, 0.50 in dia. probe, 0.025 in/min rate)
	Operating Temperature Range, °F (°C)	-67 to 392 (-55 to 200)	Chomerics
	Thermal Conductivity, W/m-K	3.2	ASTM D5470
	Thermal Impedance, °C-in ² /W (°C-cm ² /W) @ 10 psi, @ 0.04 in. (1mm) thick, "G" version	0.4 (2.6)	ASTM D5470
	Heat Capacity, J/g-K	1	ASTM E1269
Electrical	Coefficient of Thermal Expansion, ppm/K	150	ASTM E831
	Dielectric Strength, V _{AC} /mil (kV _{AC} /mm)	150 (5.9)	ASTM D149
	Volume Resistivity, ohm-cm	10 ¹³	ASTM D257
	Dielectric Constant @ 1,000 kHz and at 0.039 (1mm) thick	7.7	ASTM D150
Regulatory	Dissipation Factor @ 1,000 kHz and at 0.039 (1mm) thick	0.001	CHO-TM-TP13
	Flammability Rating (See UL File E140244 for Details)	V-0	UL 94
	RoHS Compliant	Yes	Chomerics Certification
	Outgassing, % TML (% CVCM)	0.13 (0.03)	ASTM E595
	Shelf Life, months from date of shipment (PAD 30A)	36 (18)	Chomerics
	Storage Conditions, °F (°C) @ 50% Relative Humidity	50 to 90 (10 to 32)	Chomerics