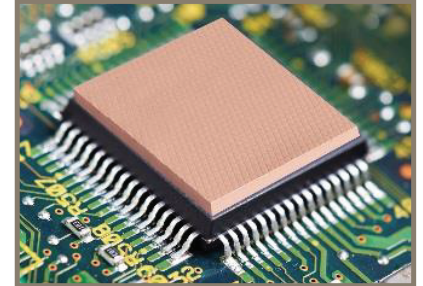


Thermal Material HCS10

Parker Chomerics THERM-A-GAP™ HCS10

- THERM-A-GAP™ HCS10 is an economical thermal interface solution
- Ultra-low hardness (4 Shore 00) with or without PSA
- 1.0 W/m-K of thermal conductivity
- Alternative to Bergquist VO Ultrasoft Materials
- Excellent thermal properties & high conformability at low clamping forces
- Available in thicknesses from 0.010 - 0.350in (0.25 - 8.89mm)



THERM-A-GAP™ HCS10, 569, 570 and 580 Thermally Conductive Pads

Typical Properties ¹		HCS10	569	570	579	580
Color		Orange/ Grey Carrier	Grey	Blue	Pink	Yellow
Supported (standard): G - Woven glass carrier - no PSA A - Aluminum foil carrier - with PSA						
Supported (custom): PN - PEN film carrier KT - Thermally enhanced polyimide carrier		HCS10A or HCS10G	A569, G569 or 569PN	A570 or G570	A579, G579, 579PN, 579KT, or 579	A580, G580, or 580
Unsupported (no carrier): 579 and 580 only - no letter notation needed						
Standard Thicknesses ² , in (mm) Unsupported (no carrier): 0.12-0.200 (3.0-5.0)		0.010 - 0.200 (0.25 - 5.0)	0.010 - 0.200 (0.25 - 5.0)	0.020 - 0.200 (0.5 - 5.0)	0.010 - 0.200 (0.25 - 5.0)	0.020 - 0.200 (0.5 - 5.0)
Specific Gravity		2.0	2.2	2.2	2.9	2.9
Hardness, Shore 00		4	10	25	30	75
Percent Deflection @ Various Pressures ³ (0.125 in thick sample)		% Deflected	% Deflected	% Deflected	% Deflected	% Deflected
@ 5 psi (34 kPa)		26	20	10	10	7
@ 10 psi (69 kPa)		36	30	15	15	10
@ 25 psi (172 kPa)		59	50	25	25	20
@ 50 psi (345 kPa)		73	65	35	35	30
Operating Temperature Range. °F (°C)		-67 to 392 (-55 to 200)	-67 to 392 (-55 to 200)	-67 to 392 (-55 to 200)	-67 to 392 (-55 to 200)	-67 to 392 (-55 to 200)
Thermal Conductivity, W/m-K @ 25 psi		1	1.5	1.5	3	3

¹ † Typical properties: these are not to be construed as specifications.

² * Thickness tolerance, in (mm) ±10% nominal thickness @ 0.1 in (2.5 mm) or less; ± 0.01 in (0.25 mm) @ nominal thickness greater than 0.1 in (2.5 mm). Custom thicknesses may be available upon request.

³ ** The typical deflection range is approximately 5-40%.

⁴ *** Laminated polyester film provides low abrasion on one side as well as improved dielectric isolation.



EMI Shielding



EMI Shielding Paints



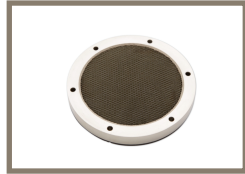
Conductive Adhesives



Conductive Sealants



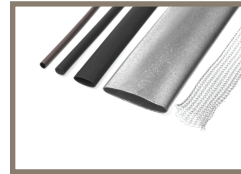
Metal Foil Tapes



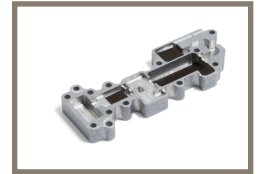
EMI Shielding Air Vents



Conductive Plastic



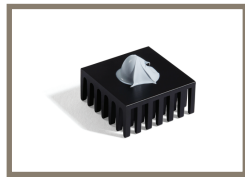
Conductive Heat Shrink Tubing



Microwave Absorber Materials



Conductive Links



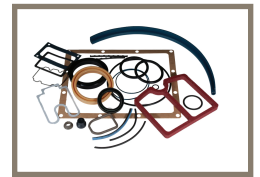
Conductive Grease



Adhesion Enhancing Primers



EMI Shielding Laminates



EMI Shielding Gaskets



EMI Attenuating Cable Chokes

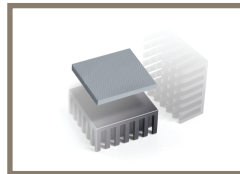


EMI Shielding Cable Wraps

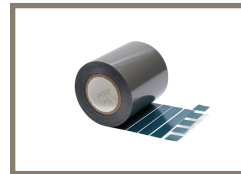
Thermal Interface



Thermally Conductive Gap Filler Pads



Thermally Conductive Phase Change Materials



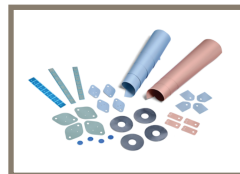
Thermally Conductive Attachment Tapes



Thermally Conductive Cure-in-Place Potting



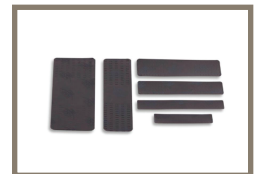
Thermally Conductive Greases



Thermally Conductive Dielectric Pads



Thermally Conductive Gels



Thermally Conductive Heat Spreaders