



Parker Chomerics Product Line Card

EMI Shielding, Electrical Grounding and Thermal Interface Materials



ENGINEERING YOUR SUCCESS.

THERM-A-GAP Thermally Conductive Gels



THERM-A-GAP™ GELS

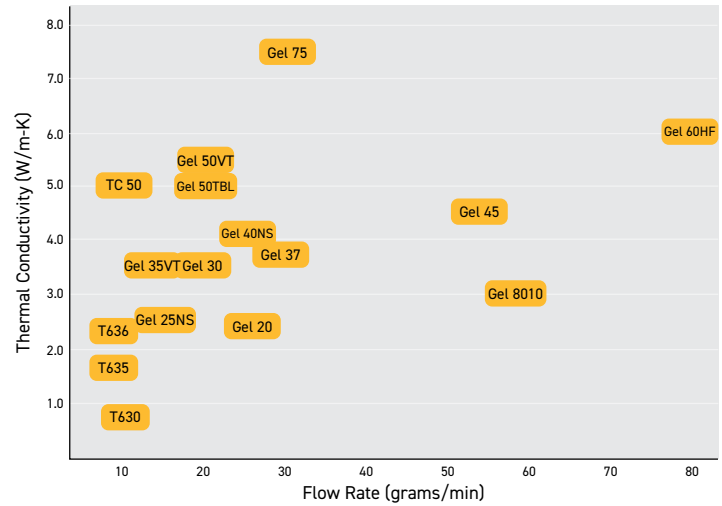
THERM-A-GAP GEL 20
 THERM-A-GAP GEL 25NS
 THERM-A-GAP GEL 30
 THERM-A-GAP GEL 30G
 THERM-A-GAP GEL 35VT
 THERM-A-GAP GEL 37
 THERM-A-GAP GEL 40NS
 THERM-A-GAP GEL 45
 THERM-A-GAP GEL 50TBL
 THERM-A-GAP GEL 50VT
 THERM-A-GAP GEL 60HF
 THERM-A-GAP GEL 75
 THERM-A-GAP GEL 8010
 THERM-A-GAP T630
 THERM-A-GAP T635
 THERM-A-GAP T636
 THERM-A-GAP TC50
 THERM-A-FORM CIP 30U
 THERM-A-FORM CIP 35

THERM-A-GAP™ Gels are highly conformable, pre-cured, single-component compounds. The cross-linked gel structure provides superior long term thermal stability and reliable performance.

FEATURES / BENEFITS

- Dispensable
- Fully cured
- Highly conformable at low pressures
- No refrigeration, mixing or filler settling issues in storage
- Single dispensable TIM can eliminate multiple pad part sizes/numbers
- Reworkable

PERFORMANCE GUIDE



THERM-A-GAP Thermally Conductive Pads



THERM-A-GAP™ PADS

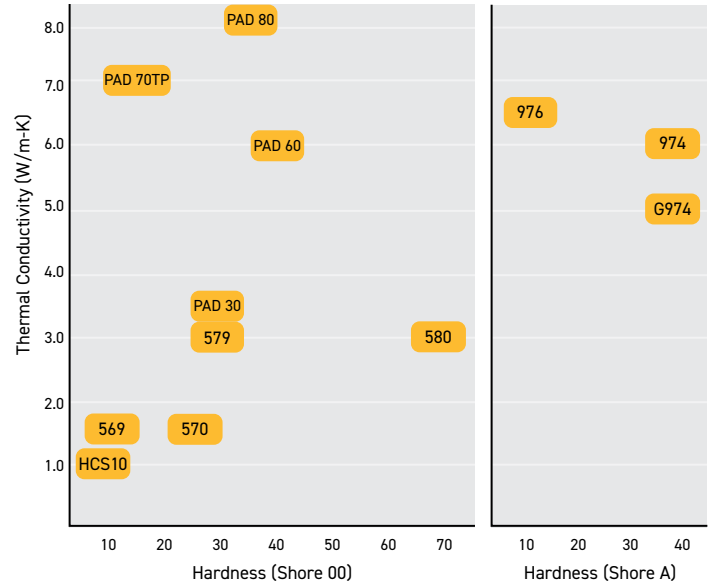
THERM-A-GAP PAD 30
 THERM-A-GAP PAD 60
 THERM-A-GAP PAD 70TP
 THERM-A-GAP PAD 80
 THERM-A-GAP 569
 THERM-A-GAP 570
 THERM-A-GAP 579
 THERM-A-GAP 580
 THERM-A-GAP 974
 THERM-A-GAP 976
 THERM-A-GAP G974
 THERM-A-GAP HCS10

THERM-A-GAP™ gap-filler sheets and pads offer excellent thermal properties and highest conformability at low clamping forces.

FEATURES/BENEFITS

- Ultra low deflection force
- High thermal conductivity
- High tack surface reduces contact resistance
- 974 and G974 supplied with PSA for ease of use
- 976 is softer compared to similar high conductivity materials
- "A" version offers high strength acrylic PSA for permanent attachment

PERFORMANCE GUIDE



Thermal Interface Materials



Thermally Conductive Greases

T650
T660
T670



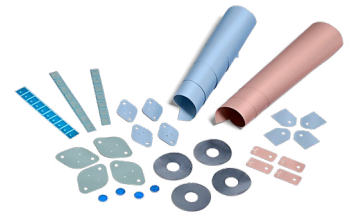
Potting and Underfill

THERM-A-FORM™
THERM-A-FORM 1641
THERM-A-FORM 1642
THERM-A-FORM T642
THERM-A-FORM T646
THERM-A-FORM T647
THERM-A-FORM T664



Phase Change

THERMFLOW™ GELS
THERMFLOW T725
THERMFLOW T558
THERMFLOW T777
THERMFLOW T766
THERMFLOW T710
THERMFLOW T755
THERMFLOW PC07DM-7



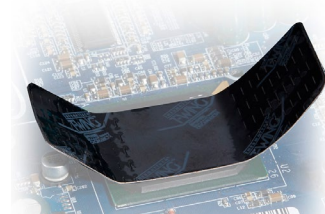
Insulator Pads

CHO-THERM™
CHO-THERM 1671
CHO-THERM 1674
CHO-THERM T609
CHO-THERM T500
CHO-THERM 1678
CHO-THERM T444
CHO-THERM T441



Attachment Tapes

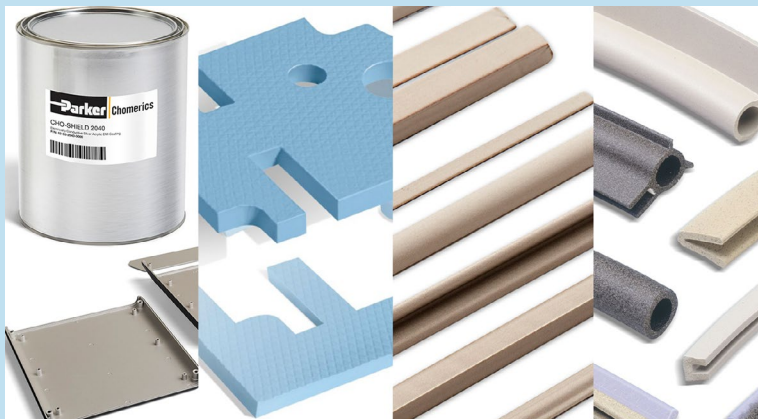
THERMATTACH™
THERMATTACH T404
THERMATTACH T412
THERMATTACH T418
THERMATTACH T405-R
THERMATTACH T414
THERMATTACH T405
THERMATTACH T411



Thermally Conductive Heat Spreaders

T-WING™
T-WING Thin Heat Spreaders

Scan this code to view products or go to parker.com/choproducts



Experience Our Quality Products

At Parker Chomerics, we understand making a decision about what product best suits your needs can be challenging. That's why we offer free samples of our products to help you make an informed choice. Our product sampling program allows you to experience the quality, functionality, and value of our offerings firsthand. We believe the best way to appreciate our commitment to excellence is to try our products yourself, and we're delighted to provide this service to assist you in your decision-making process.

Visit Parker.com/ChoSamples to get your free sample today.

CHO-SEAL Electrically Conductive Elastomer Gaskets



Once used mainly to shield critical defense and aerospace electronic systems, Parker Chomerics conductive elastomers have become the progressive choice for packaging designers of consumer, telecommunications, business, industrial equipment, automotive, medical devices and much more.

CHO-SEAL Electrically Conductive Elastomer Gaskets

CHO-SEAL 1298 Ag/Al Filled Fluorosilicone

- Solid O-Shape Strip
- Hollow O & D-Shape Strip
- Mushroom D-Shape Strip
- Sheets & Custom Molded

CHO-SEAL 6502 Ni/Al Filled Silicone

- Solid O-Shape Strip
- Hollow O & D-Shape Strip
- Mushroom D-Shape Strip
- Sheets & Custom Molded

CHO-SEAL 6503 Ni/Al Filled Fluorosilicone

- Solid O-Shape Strip
- Hollow O & D-Shape Strip
- Mushroom D-Shape Strip
- Sheets & Custom Molded

CHO-SEAL S6305 Ni/C Filled Fluorosilicone

- Solid O-Shape Strip
- Hollow O & D-Shape Strip
- Mushroom D-Shape Strip
- Sheets & Custom Molded

FEATURES / BENEFITS

- Availability
 - Design Flexibility
 - Cost Effectiveness
 - Proven Performance
- ...just four of the reasons why conductive elastomer gaskets are so often the right EMI shielding solution!

Elastomer Product Offering

	Material	Binder	Configuration	
Common Materials	CHO-SEAL 6502	Silicone	Molded and Extruded	
	CHO-SEAL 6503	Fluorosilicone		
	CHO-SEAL 1298	Fluorosilicone		
	CHO-SEAL 1285	Silicone		
	CHO-SEAL 1287	Fluorosilicone		
	CHO-SEAL 1215	Silicone		
	CHO-SEAL 1217	Fluorosilicone		
	CHO-SEAL S6305	Silicone		
	CHO-SEAL 6370	Silicone		Extruded
	CHO-SEAL 6371	Silicone		Molded
	CHO-SEAL 6308	Silicone	Extruded	
	CHO-SEAL 6330	Silicone	Sheets Only	
	CHO-SEAL L6303	Fluorosilicone	Molded and Extruded	
	CHO-SEAL 1350	Silicone		
	CHO-SEAL 1310	Silicone	Molded	
	CHO-SEAL 1273	Silicone	Molded and Extruded	
CHO-SEAL 1270	Silicone	Molded		
CHO-SEAL 1224	Silicone			
CHO-SEAL 1221	Fluorosilicone			
CHO-SEAL 1401	Silicone		Molded and Extruded	
Specialty Materials	CHO-SEAL 1239	Silicone/Cu Mesh	Molded	
	CHO-SEAL 1212	Silicone		
	CHO-SEAL 6435	EPDM		
	CHO-SEAL 6307	EPDM	Extruded	
	CHO-SEAL 6452	EPDM		
	CHO-SEAL 6460	EPDM	Molded	
	CHO-SEAL V6433	Fluoro/Fluorocarbon		
	CHO-SEAL S6600	Silicone		

CHO-SEAL Conductive Elastomer Performance Guide Most Commonly Selected Materials



CHO-SHIELD Electrically Conductive Paints and Coatings



CHO-SHIELD

CHO-SHIELD 568
 CHO-SHIELD 571
 CHO-SHIELD 576
 CHO-SHIELD 579
 CHO-SHIELD 596
 CHO-SHIELD 604
 CHO-SHIELD 608
 CHO-SHIELD 2001
 CHO-SHIELD 2002
 CHO-SHIELD 2003
 CHO-SHIELD 2044
 CHO-SHIELD 2056
 CHO-SHIELD 4994

Parker Chomerics electrically conductive paints and coatings deliver critical EMI/RFI shielding on plastic and composite housings of electronic assemblies, as well as aircraft and airframe components.

FEATURES/BENEFITS

- Easy to use, can be applied with standard spray paint equipment, no expensive capital equipment required
- Material dries at room temperature-no high temperature cure ovens required, fast throughput. Good adhesion to a variety of plastics
- Cost-effective solution for electronic enclosures and assemblies which require a moderate level of EMI shielding and conductivity
- Good abrasion resistance, won't chip or crack easily

PERFORMANCE GUIDE



CHO-BOND Electrically Conductive Sealants and Adhesives

Sealants

CHO-BOND 1016
 CHO-BOND 1018
 CHO-BOND 1019
 CHO-BOND 1035
 CHO-BOND 1038
 CHO-BOND 1075
 CHO-BOND 1121
 CHO-BOND 2165
 CHO-BOND 4660
 CHO-BOND 4669
 TECKNIT 0002
 TECKNIT 0005



Our range of electrically conductive sealants and adhesives is available in various filler and binder choices, delivering superior mechanical and electrical properties, robust adhesion and corrosion resistance.

FEATURES/BENEFITS

- Stable and reliable electrical conductivity
- Corrosion resistant fillers
- Low and no VOC compounds
- Suitable for use in both metal and composite substrates
- Good EMI shielding performance across a wide frequency range

Adhesives

CHO-BOND 1029
 CHO-BOND 1030
 CHO-BOND 360-20
 CHO-BOND 584-208
 CHO-BOND 584-29
 CHO-BOND 580-208
 TECKNIT 8116



PERFORMANCE GUIDE



CHO-FORM Electrically Conductive Form-In-Place Material Gaskets



CHO-FORM & ParPHorm

CHO-FORM 5513 Ag/Cu
 CHO-FORM 5526 Ag
 CHO-FORM 5528 Ag/Cu
 CHO-FORM 5538 Ni/C
 CHO-FORM 5541 Ni/C
 CHO-FORM 5550 Ni/C
 CHO-FORM 5560 Ni/Al
 CHO-FORM 5575 Ag/Al
 ParPHorm 1800
 ParPHorm L1938

Parker Chomerics CHO-FORM Automated Form-In-Place (FIP) EMI Gaskets are ideal for today's densely populated electronics packaging, particularly where intercompartmental isolation is required to separate processing and signal generating functions.

FEATURES/BENEFITS

- Up to 60% space saved – flanges as narrow as 0.025 in (0.76 mm) can be gasketed.
- Achieve more than 100 dB shielding effectiveness from 200 MHz to 12 GHz with very small gasket beads.
- Excellent adhesion to common housing substrates and coatings.
- Highly compressible gaskets, ideal with limited deflection force.
- Quick turn-around of prototypes and samples. Parts are typically prototyped and shipped within several days and typically do not require tooling.

PERFORMANCE GUIDE



SOFT-SHIELD Electrically Conductive Fabric Over Foam Gaskets



Parker Chomerics electrically conductive foam based gaskets and electrically conductive fabric over-foam gaskets provide a selection of commercial EMI gasket solutions suitable for most all indoor EMI shielding and grounding applications.



SOFT-SHIELD

SOFT-SHIELD 3500
 SOFT-SHIELD 3700
 SOFT-SHIELD 3800
 SOFT-SHIELD 4800
 SOFT-SHIELD 4840
 SOFT-SHIELD 4850
 SOFT-SHIELD 4860

SOFT-SHIELD	3500	3700	3800	4800	4840	4850	4860
Shielding Effectiveness (dB)	>100	>100	>100	95	60	95	95
Operating Temperature °F (°C)	-40 to 158 (-40 to 70)	-40 to 257 (-40 to 125)	-40 to 257 (-40 to 125)	-40 to 158 (-40 to 70)	-40 to 158 (-40 to 70)	-40 to 158 (-40 to 70)	-40 to 257 (-40 to 125)
Product Type	Fabric Over Foam	Fabric Over Foam	Fabric Over Foam	Conductive Foam	Conductive Foam	Conductive Foam	Conductive Foam
Flammability Rating	UL 94 V-0	UL 94 V-0	UL 94 V-0	UL 94 HF-1	UL 94 V-0	UL 94 V-0	UL 94 V-0
Halogen Free	Available	Yes	Yes	Yes	No	No	Yes
Cost	\$	\$\$	\$\$	\$\$	\$	\$\$	\$\$\$
Profiles	Rectangular & Complex	Rectangular	Complex & Custom	Custom Die Cut	Custom Die Cut	Custom Die Cut	Custom Die Cut

EMI Shielding Materials



Metal Based EMI Shielding Gaskets

POLA®
POLA Sponge Strip
POLA Solid Sheet
SHIELD WRAP™ Cable Wrap

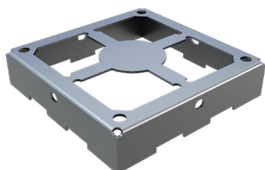
METALASTIC™
METALASTIC EXP-URE Anti-Corrosion
METALSTIC
PORCUPINE METALSATIC

Fingerstock: SPRING-LINE
SPRING-LINE General Purpose
SPRING-LINE D-Connector
SPRING-LINE Edge Mount
SPRING-LINE Track and Rivet
SPRING-LINE Twist Series
SPRING-LINE Fold-Over
SPRING-LINE Grounding Strips
SPRING-LINE Low Profile
SPRING-LINE No Snag
SPRING-LINE Contact Rings



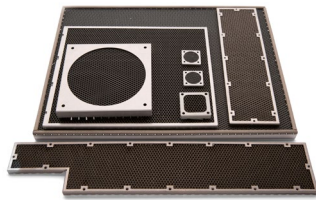
EMI Shielding Cable Wrap

SHIELD WRAP



Board Level Shielding

RF Shields and Cans



EMI Shielding Air Vents

STREAMSHIELD Vent Panels
SHIELD-CELL Shielded Vent Panels
SLIMVENT EMI Shielding Air Vents
SHIELDSCREEN EMI Shielding Air Filters

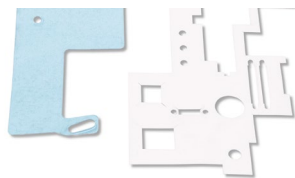


EMI Shielding Metal Foil Tapes

Metal Foil Tapes
CHO-MASK II Conductive Foil Tapes

Fabric Tapes
CHO-FAB EMI Shielding Fabric Tapes

Foil and Fabric Tapes
CHO-FOIL EMI Shielding Foil and Fabric Tape



EMI Shielding Engineered Laminates

CHO-STRAP
Engineered Laminates



Microwave Absorber Materials

CHO-MUTE
CHO-MUTE 9005
CHO-MUTE 9009
CHO-MUTE 9025



Electrically Conductive Grease

CHO-LUBE & PRO-SHIELD
CHO-LUBE 4220
CHO-LUBE E117
PRO-SHIELD 7308



Electrically Conductive Inks

PRO-SHIELD
PRO-SHIELD 7168
PRO-SHIELD 7178



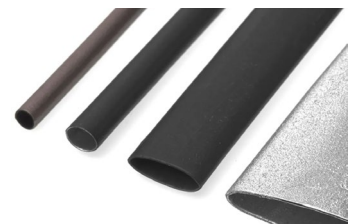
Electrically Conductive Plastic

PREMIER
PREMIER PBT-225
PREMIER PBT-250-FR
PREMIER PC-ABS General Purpose
PREMIER PC-ABS Elevated Temperature
PREMIER PC-ABS Flame Retardant
PREMIER PEI
PREMIER ATCA



Injection Molded Plastic Solutions

High Precision Injection Molded Plastic Solutions



Electrically Conductive Heat Shrinkable Tubing

CHO-SHRINK
CHO-SHRINK 1061
CHO-SHRINK 1120

Empowering Your Business on a Global Scale

Parker Chomerics' manufacturing operations span the globe, allowing us to serve you locally no matter where you are. We understand your unique needs and provide personalized solutions that cater to your specific requirements.



Global Business with a Local Focus

Parker Chomerics' manufacturing operations span the globe, allowing us to serve you locally no matter where you are. We understand your unique needs and provide personalized solutions that cater to your specific requirements.

- Woburn, MA, USA
- Hudson, NH, USA
- Fairport, NY, USA
- Monterrey, Mexico
- High Wycombe, UK
- Frépillon, France
- Sadska, Czech Republic
- Kuala Lumpur, Malaysia
- Chennai, India
- Shanghai & Shenzhen, China

Local Engineering Support

Our global manufacturing facilities come with local engineering teams dedicated to providing exceptional technical assistance. With experts available on-site, we can swiftly address any concerns, tailor solutions to your needs, and foster a stronger partnership.

Learn more at parker.com/chomerics.



Local Sales Support

At Chomerics, we're hands-on people—especially when it comes to our customers. We understand the value of connecting with real people, answering your questions and providing a solution that works for you.

Find a local salesperson or distributor at parker.com/chomerics.



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