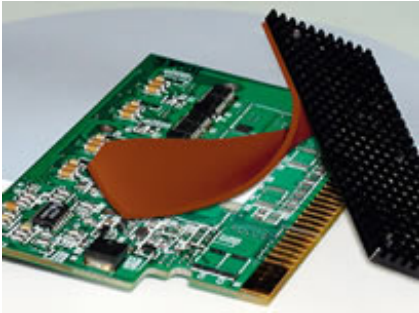


## GAP FILLERS



The ThermaCool family of high performance thermally conductive gap fillers provides solutions to difficult thermal management problems. These products can be used to fill gaps and enhance thermal performance of the electrical system. ThermaCool gap fillers can accommodate materials of different coefficients of thermal expansion with the compliant interface. The ThermaCool gap filler family includes products in a variety of thicknesses and a range of hardness values to effectively close gaps while providing the thermal transfer needed in demanding electronic applications.

### GAP FILLER PROPERTIES

*Key	1	2	3	4	5	6
Surface	BN- one side non stick	PET Film	Polymide Film	Fabric Scrim	MT Kapton	Thermal Fabric

Product Name	Standard Thickness (mils)	Surfaces*	Flame Rating	Hardness (Shore A or 00)	Thermal Conductivity (W/m K) ASTM E1530	Comments
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R10404	32 - 250	Neat, 1-6	V1	15/A	0.3 - 0.6	Conductive sponge
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Product Name	Standard Thickness (mils)	Surfaces*	Flame Rating	Hardness (Shore A or 00)	Thermal Conductivity (W/m K) ASTM E1530	Comments
TC100U	15,32,62	Neat, 1-6	HB	65/A (post cure)	1.3	Very tough gap filler, medium performance
TC2006	20 - 250	Neat, 1-6	V0	35/00	1.6	Uncured material for bonding & gap filling
TC3006	20 - 250	Neat, 1-6	V0	< 35/00	1.1	Economical, soft gap filler
TC3008	20 - 250	Neat, 1-6	V0	50/00	3.0	Extremely soft complaint
						High performance soft gap filler

## R10404 SERIES

Saint-Gobain Performance Plastics ThermaCool® R-10404 is a thermally conductive closed cell silicone sponge rubber. This material offers thermal conductivity along with electrical isolation. R-10404 is the superior choice for gasketing and cushioning applications requiring critical thermal transfer sealing.

## TC100 SERIES

Saint-Gobain Performance Plastics ThermaCool® TC100 is an unsupported thermally conductive solid silicone rubber. This material offers thermal conductivity along with electrical isolation for heat transfer applications between PC boards and heat sinks. TC100 can be used to fill air gaps between PC boards and heat sinks.

Saint-Gobain Performance Plastics ThermaCool® TC3005 is a high performance gap filler product. It is a low modulus thermally conductive silicone rubber filled with thermally conductive, electrically isolating material. It is extremely conformable, naturally tacky and hence results in very low thermal resistance values. The product is available with fiberglass or aluminum foil reinforcement.

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