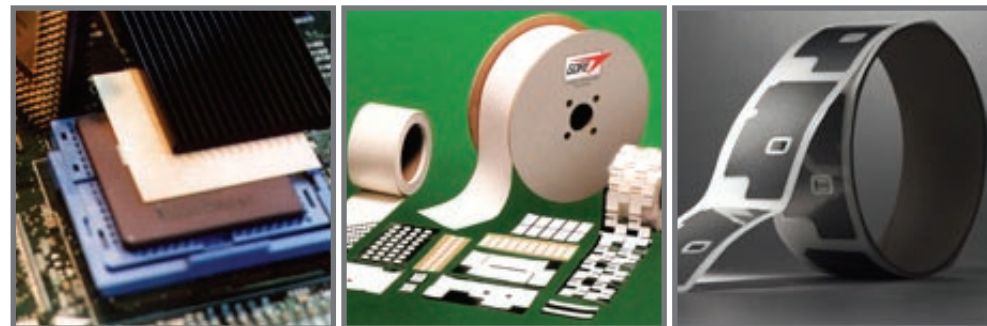


## Transtherm® Silicone Pads

Physical Properties	T400-9	T400-7	T600-9	T1000-7	T1000-9	T1100-9	T1200-7	T1200-9	T1500-6	T1500-10	T1600-9	T2	T3	Test Method
Color	gray	gray	dark green	pink	pink	blue	green	green	salmon	light green	iceblue	black	black	Visual
Thermal Resistance °CIn <sup>2</sup> /Watt	0.5	0.45	0.35	0.28	0.3	0.3	0.28	0.35	0.17	0.23	0.2	0.1	0.11	ASTM D5470
Dielectric Constant, 60 Hz	2.36	2.19	2.46	2.25	2.25	2.64	2.85	2.85	2.56	2.56	2.56	n/a	n/a	ASTM D257
Dielectric Constant, 1kHz	2.21	2.15	2.5	2.2	2.2	2.58	2.75	2.75	2.47	2.47	2.47	n/a	n/a	ASTM D257
Min. Continuous Use Temperature °C	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	-60	MIL-I-49456A
Max. Continuous Use Temperature °C	180	180	180	180	180	180	180	180	180	180	180	180	180	
Thermal Conductivity W/mK	0.9	0.9	1	1.2	1.2	1.1	1.3	1.3	1.6	2	2	2.5	1.9	ASTM D5470
Thickness mm (Tolerance ± 0.025mm)	0.23	0.18	0.23	0.18	0.23	0.23	0.18	0.23	0.15	0.25	0.23	0.15	0.13	ASTM D374
Volume Resistivity (Ohm * cm)	2E+15	2E+15	4E+15	6E+15	6E+15	1E+15	1E+15	1E+15	1E+15	1E+15	1E+15	n/a	n/a	ASTM D257
Dielectric Strength (Volts, minimum)	4500	4000	4500	4000	4500	2500	3000	3500	2000	4000	2000	n/a	n/a	ASTM D149
Weight Loss (%) 24hrs @ 200°C	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	IMTM 1567
Hardness Shore A	85	85	85	84	84	85	80	80	80	80	80	90	84	ASTM D257
Specific Gravity (g/cm <sup>3</sup> )	2.1	2.1	1.5	1.5	1.5	1.7	1.6	1.6	1.4	1.5	1.5			ASTM D792
Tensile Strength (MPa)	76	97	76	76	76	40	45	45	76	45	45	74	42	ASTM D828
Breaking Strength (KN/m)	18	18	18	18	18	10.5	11.4	11.4	11	11	11.4	18	8.5	ASTM D828
Elongation (%)	2 to 4	2 to 4	2 to 4	2 to 4	2 to 4	3	2 to 4	2 to 4	2 to 4	2 to 4	3	9 to 10	3 to 4	ASTM D828
Cut through Resistance (KN)	0.93	0.8	0.8	0.76	0.73		0.53	0.53	0.53	0.53	0.53	n/a	n/a	IMTM 1566
Dissipation Factor, 60 Hz	0.0013	0.0011	0.0012	0.0015	0.0015	0.006	0.001	0.001	0.0007	0.0007	0.0007	n/a	n/a	ASTM D257
Dissipation Factor, 1 kHz	0.0011	0.0011	0.0011	0.0012	0.0012	0.003	0.0009	0.0009	0.0006	0.0006	0.0006	n/a	n/a	ASTM D257
Flame Resistance	UL 94 VO	UL 94 VO	UL 94 VO	UL 94 VO	UL 94 VO				UL 94 VO	UL 94 VO				UL 94
Construction	Silicone/	Silicone/	Silicone/	Silicone/	Silicone/	Silicone/	Silicone/	Silicone/	Silicone/-	Silicone/	Silicone/-	Silicone/	Silicone/	
	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Fiberglass	Aluminium	Fiberglass	
Filler	Aluminium-	Aluminium-	Aluminium-	Boron	Boron	Boron	Boron	Boron	Boron	Boron	Boron	Boron	Graphite	
	Oxide	Oxide	Oxide	Nitride	Nitride	Nitride	Nitride	Nitride	Nitride	Nitride	Nitride	Nitride		

**Attention:**

All data and values of this technical information have been ascertained with care. Taking into consideration the multiplicity of both usage conditions and the process and application technologies, the data and information supplied represent lead values of a non-binding nature so that no warranty claims can be derived there from. Above all, in addition to our general sales conditions, only written agreements are regarded as being binding



If you are interested in more information or have questions about materials, capabilities, or applications you have seen on our website, or the attached data sheet, please feel free to contact us.

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