

Thermally conductive silicone tape

Introduction	Thermally conductive silicone tape is a material reinforced with glass fiber or PI and reinforced by silicone polymer elastomer. It is also known as thermally conductive silicone cloth or tear-resistant silicone cloth. It has good high thermal conductivity, low thermal resistance, excellent insulating materials, high tear resistance, smooth surface, and low installation pressure.													
Application	It is used in power supply equipment, automotive electronics, communication equipment, LED lamps, storage equipment, and consumer electronics.													
Property														
<div>Product Code</div> <div>Technical Parameters</div>	P10909T9	P10909T15	P10912T18	P10912T23	P10912T30	P10913T09	P10913T15H	P10913T15S	P10915T13	P10916T13	P10916T18	P10916T23	P10920T25	P10935T25
Color	Yellow	Yellow	Pink, grey	Pink, grey	Pink , grey	Yellow	Yellow	Yellow	Pink, grey	Pink, grey	Pink, grey	Pink, grey	Pink	white
Material	PI + silicone	PI + silicone	Fiberglass + silicone	Fiberglass + silicone	Fiberglass + silicone	PI + silicone	PI + silicone	PI + silicone	PI + silicone	Fiberglass + silicone	Fiberglass + silicone	Fiberglass + silicone	Fiberglass + silicone	Fiberglass + silicone
Thermal Conductivity [W/m·K]	0.9	0.9	1.2	1.2	1.2	1.3	1.3	1.3	1.3	1.6	1.6	1.6	2.0	2.0
Total Thickness[mm]	0.09±0.02	0.15±0.02	0.18±0.02	0.23±0.02	0.3±0.02	0.09±0.02	0.15±0.02	0.15±0.02	0.15±0.02	0.13±0.02	0.18±0.02	0.23±0.02	0.25±0.02	0.25 、0.38
Dielectric Constant[@1MHz]	≥3.4	≥4.3	≥4.1	≥4.5	≥4.6	≥2.4	≥2.54	≥2.54	≥2.6	≥3.9	≥4.3	≥4.5	/	/
Dielectric loss[@1MHz]	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	≤0.1	/	/
Hardness[Shore A]	80±10	80±10	80±10	80±10	80±10	80±10	80±10	80±10	80±10	80±10	80±10	80±10	80±10	80±10
Breakdown Voltage[KV]	≥6.0	≥6.0	≥4.5	≥4.5	≥4.5	≥6.0	≥6.0	≥6.0	≥6.0	≥4.5	≥4.5	≥4.5	≥4.5	≥5
Volume Resistivity[Ω.cm]	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹³	≥1×10 ¹¹	≥1×10 ¹¹
Tensile strength[MPa]	≥6	10	≥6	≥6	≥6	≥6	10	10	10	≥6	≥6	≥6	≥5	≥5
Thermal resistance [℃·in ² /W]	0.36	0.51	0.56	0.64	0.67	0.32	0.41	0.35	0.48	0.48	0.54	0.61	0.5	0.27
Operating temperature[℃]	-60~180												-40~200	
Flame Resistance	UL-94 V-0													
Storage and shelf life	It is recommended to store in a clean and dry place, away from direct sunlight to prevent damage to the packaging, and to avoid storing with volatile solvents. Store at 25±5° C and humidity at 50±5%.													