Thermal Conductive Silicone Pad

Introduction	Thermally conductive silicone pad is a kind of thermally conductive medium, which is used to reduce the contact thermal resistance between the surface of the heat source and the contact surface of the heat dissipation device. It is specially produced for the design scheme of using the gap to transfer heat. It can fill the gap and complete the gap between the heating part and the heat dissipation part. Excellent heat transfer, the product can be cut arbitrarily, which is conducive to automatic production and product maintenance. It has high thermal conductivity, excellent gap filling properties, high electrical insulation, flame retardancy, flexibility, compressibility.
Application	Power supply module, LCD, LED, between graphics card and radiator, network equipment, high-speed memory storage module

Property

Product Code / Technical Parameters	P82120	P82200	P82300	P82400	P82500	P82600	P82100T	P82100
Color	Grayish White	Blue	Dark Blue/Black	Khaki	Dark Red	Purple Blue	White+Pink Cloth	Grey/Blue/Pink
Total Thickness[mm]	0.3-12	0.3-12	0.3-12	0.3-6	0.3-6	0.3-6	0.2-6	0.2/0.3/0.45
Hardness[Shore C]	10-40	10-40	18/25/40	18/35	18/35	18/35	10-40	75
Proportion[g/cm^3]	2	2.3	2.7	3.1	3.3	3.5	2.3	2.1
Tensile Strength[KN/m]	3.5	3.3	3.2	3.2	3.1	3.1	8.3	8.5
Thermal Conductivity[W/mk]	1.2	2	3	4	5	6	1	1
Breakdown Voltage[KV]	≥4						≥6	≥4
Dielectric Constant[@1MHz]	7.15						3.55	3.12
Volume Resistivity[Ω.cm]	1.1×10^{16}							
Temperature Resistance [℃]	—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%.							