

silicone kapton tape

Introduction	silicone kapton tape is a high-temperature adhesive tape made of polyimide film and coated with silicone pressure-sensitive adhesive. It has excellent insulation, breakdown voltage resistance, high temperature resistance of 260 degrees and other characteristics.													
Application	1. High -temperature insulation wrapped around the electronic industry transformers, motors, coils, capacitors, and frequency conversion power suppliers. 2. Suitable for covering and protection during printing line boards (PCB), SMT tin furnaces, and peak welding. 3. High -end electrical insulation protection and lithium battery positive&negative poles. 4. Anti -welding protection. 5. The lithium battery manufacturing is bundled.													
Property														
Product Code	P0103	P0104	P0106	P0106-75L	P01065	P0107	P0108	P0108-75L	P0110	P0110-1	P0112	P0115	P0115-75L	P0117-50L
Technical Parameters														
Color	Gold, Red, Green, Transparent													
Total Thickness [mm]	0.03	0.04	0.06	0.06	0.065	0.07	0.08	0.08	0.1	0.1	0.12	0.15	0.15	1.17
Backing Thickness[mm]	0.0125	0.025	0.025	0.025	0.025	0.025	0.05	0.05	0.05	0.075	0.075	0.1	0.1	0.1
Backing	PI	PI	PI	PI	PI	PI	PI	PI	PI	PI	PI	PI	PI	PI
Adhesive	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone
180° Peel Strength[N/inch]	4	4	5	5-5.5	6	6	5	5-5.5	6	5-5.5	6	7	6.5-7	6.5-7
Tensile Strength[kg/25mm]	10	10	10	10	10	10	20	20	20	20	28	36	36	36
Elongation At Break[%]	30	45	45	45	45	45	55	55	55	55	60	70	70	70
Breakdown Voltage[KV]	2.5	5	5	5	5	5	7	7	7	7	9	10.5	10.5	10.5
Long-Term Temperature Resistance[℃]	260	260	260	260	260	260	260	260	260	260	260	260	260	260
Short-Term Temperature Resistance[℃]	280	280	280	280	280	280	280	280	280	280	280	280	280	280
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 keeping it with volatile solvents. The storage temperature is 0-40° C and the humidity is <80%. To maintain optimal performance, this product should be used within 12 months from the date of manufacture.													