

Double Sided Kapton Tape

Introduction

Double sided kapton tape is based on polyimide film, coated with high-performance silicone pressure-sensitive adhesive on both sides, and then laminated on both sides by single-sided fluoroplastic release film or double-sided fluoroplastic release film on one side Composite made.
It has high coating accuracy ($\pm 2.5\mu\text{m}$), no scratches, wire drawing and other phenomena on the appearance, good shear performance, easy punching die-cutting processing, excellent high temperature resistance and solvent resistance.

Application

1. Printed circuit board (PCB), SMT tin furnace, shielding protection during wave soldering.
2. Insulation protection of high-grade electrical appliances and fixing of positive&negative poles of lithium batteries.
3. Solder protection.

Property

Product Code	P120-50DS	P205-75DS	P205-100DS	P705-150DS	P505-200DS	P709-210DS
Technical Parameters						
Color	Gold, Black, Red, Green, Transparent					
Total Thickness[mm]	0.05	0.075	0.1	0.15	0.2	0.2
Backing Thickness[mm]	0.012	0.025	0.025	0.075	0.05	0.075
Backing	PI	PI	PI	PI	PI	PI
Adhesive	Silicone	Silicone	Silicone	Silicone	Silicone	Silicone
180° Peel Strength[N/inch]	A \geq 6.5 B \geq 6	A \geq 6.5 B \geq 6	A \geq 10 B \geq 9	A \geq 10 B \geq 9	A \geq 11 B \geq 10	A \geq 11 B \geq 8
Tensile Strength[kg/25mm]	10	10	10	28	20	28
Elongation At Break[%]	30	45	45	60	60	60
Breakdown Voltage[KV]	2.5	5	5	9	5	9
Long-Term Temperature Resistance[°C]	260	260	260	260	260	260
Short-Term Temperature Resistance[°C]	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.					