

Kapton® Polyimide Silicon Tape

FITCOTAPE® FT-KAPTON 1801

Kapton® 1801 is a 25µ Polyimide film, coated on one side with a silicone adhesive and total thickness of 67µ. Recommended for various high temperature protection and insulation applications.

Operating temperature: Up to +180° C, short term up to 400°C

Standard colors: amber

Applications:

- Blending PCB gold contacts
- Protection of plug contacts and switches during soldering
- Blending for high temperatures
- Bundling and mounting components (thermal switches) that are exposed to high temperatures
- Electrical isolation of coils, transformers, conductors and cables for Class H (180°C) applications

Benefits:

- Good resistance to most alcohols, esters, ketones and oils
- Clean, residue-free removal in one go after exposure to high temperatures
- High-strength backing provides superior puncture, tear and abrasion resistance
- Chemical resistance
- Excellent, thin, electrical insulation
- UL-510 classified – Guide OANZ 2: File E103655
- Flame retardant
- Temperature resistance: 180°C continuous - Thermal class H
- Short term up to 400°C

Standard Dimensions:

- Roll length: 33m
 - Roll width: 6,9, 12, 15, 19, 25, 30, 38, 50, 75 and 110mm
 - Core: 76mm plastic core
 - Packaging: Plastic bag
 - Color: amber
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Technical Specifications:

	Unit	Nominal values	Test method
Total thickness	Mm	0.067	TM 02
Adhesive tensile strength	g/m ²	0.045	TM 27
Material thickness	Mm	0.025	TM 02
Pull-off force	N/25mm	7.0	TM 31
Tensile strength	N/25mm	110	TM 36
Elongation at break	%	35	TM 36
Breakdown voltage	kV	6.35	AFERA 4011

Recommendations:

Adhesive tape rolls shall be stored flat on the cut edge in original packaging. The product has to be protected from dust, heat, humidity, direct UV radiation and solvent vapor. Shelf life depends on stocking conditions. Minimum product shelf life is one year from production date provided that the surface is protected from oil, grease and other substances. Adhesion shall be tested if tape shall be applied on substrates containing softening agents. Comment: Kapton® is a trademark of Du Pont.