

## ABOUT THIS PRODUCT

This tape, made from polyimide film, is an electrical insulation material that is well-known for its outstanding electrical, mechanical, thermal and chemical properties.

Recommended for a variety of high temperature protection and insulation applications (180°C Thermal Class H).

Please note: Kapton® is a DuPont registered trademark.



## FEATURES AND BENEFITS

- High temperature resistance – removes cleanly and in one piece after being exposed to high temperatures
- High mechanical resistance – high strength backing provides superior puncture, tear and abrasion resistance
- Resistance to chemical attack
- Excellent thin electrical insulation
- Highly conformable
- Good resistance to most alcohols, esters, ketones and oils

## APPLICATIONS

- Electrical insulation
- High temperature masking
- Protection of PCB gold fingers, plug-in connectors and switches during wave soldering
- Electrical insulation of coils, transformers, wires and cables for Class H (180°C) applications

## MATERIAL DATA

Product Code	307
Material	Polyimide film single coated with cured silicone adhesive
Standard Colour	Amber
Total Thickness – mm	0.067
Operating Temperature – °C	180 continuous (short term 400°C)
Elongation at Break – %	35
Dielectric Strength – kV	6.35
Tensile Strength – N/25mm	110
Adhesive Thickness – mm	0.025
Relevant Specifications	UL510

## TECHNICAL TABLE

	Unit	Nominal Value	Test Method
Total Thickness	Mm	0.067	TM02
Adhesive Thickness	g/m <sup>2</sup>	0.045	TM21
Carrier Thickness	Mm	0.025	TM02
Peel Adhesion	N/25mm	7.0	TM31
Tensile Strength	N/25mm	110	TM36
Elongation at Break	%	35	TM36
Breakdown Voltage	kV	6.35	AFERA 4011