



8001/2 KAPTON

PRODUCT DESCRIPTION

These tapes are based on Dupont "Kapton" film coated with a silicone adhesive.

Polyimide has been used successfully up to temperatures of 400°C and only begins to char at temperatures of above 800°C.

The film does not melt and is resistant to a wide range of solvents. The tapes have remarkable dimensional stability and excellent physical and electrical properties over a wide temperature range (-80°C to +370°C). The tapes can be used continuously at 180°C and for short periods up to 370°C.

TECHNICAL DATA

CHEMICAL PROPERTIES

pH value of aqueous extract
4.0 - 7.0

Conductivity of aqueous extract
< 40 micromhos

Freedom from corrosive sulphur
No stain on copper

CHEMICAL & SOLVENT RESISTANCE

Bacteria & Fungi	Excellent
Water	Excellent
Salt Water	Excellent

Good resistance to most alcohols, esters, ketones and oils but not to aliphatic and aromatic hydrocarbons.

APPLICATION

Rolltape Polyimide Silicone Tapes 8001/2 are ideal for masking gold contacts and protecting plug-in connectors and switches during wave soldering. These products have been found to give a better performance than mechanical masks and other tapes.

Product Ref.	8001	8002
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PHYSICAL PROPERTIES

Thickness of tape (μ)	65	90
Tensile strength (N/25mm)	135	230
Elongation at break (%)	50%	60%
Peel adhesion (N/25mm)	6.5	6.0

ELECTRICAL PROPERTIES

Breakdown Voltage (Kv) (ASTM D1000/55T)	7.0	10.0
Insulation Resistance MΩ/25mm	10 x 10 ⁵	10 x 10 ⁵

The above data and performance characteristics are compiled on the results of tests and estimates based on careful calculations. They are put forward in a good faith but are not guaranteed. In particular the customer should satisfy himself on the suitability of the product for its intended use and consult us if he is in any doubt about any particular application.

The conditions under which this product is stored, affect its performance. Storage should be in dry, well-ventilated rooms with a reasonably consistent temperature around 20°C and protected from continuous exposure to direct sunlight. The product should always be applied to clean, dry surfaces.