


POLYAMIDE “KAPTON” TAPE (80 µm)

KEY FEATURES:

- High degree of insulation in the parts and supports covered by the tape.
- Highly resistant even to acid, fuel, mineral oil and nuclear radiation.
- Polyamide film provides excellent release surface at elevated temperatures by not softening.
- Dimensionally stable at high temperatures.
- High temperature performance of silicone adhesive aids adhesive transfer, thus eliminating rework in plate cleaning.
- **Available in a wide variety of thicknesses**, thus being able to adapt to any application that requires it.

Single-sided tape, composed of a polyamide film covered by a silicone adhesive.

The product is intended to serve as an insulating and protective barrier for electrical / electronic devices during soldering and bonding applications.

Available colors: 

PRODUCT COMPOSITION



CARRIER
PA Film

ADHESIVE TYPE
Silicone

TECHNICAL CHARACTERISTICS

ADHESIVE PROPERTIES	VALUES	METHOD
Carrier thickness	50 µm	ASTM D-3652
Adhesive thickness	30 µm	ASTM D-3652
Total thickness	80 µm	ASTM D-3652
Tensile strength	46 N/cm	ASTM D-3759
Elongation at break	30 %	ASTM D-3759
Range of surface resistance	$[10^5 - 10^9] \Omega$	INTERNAL
Dielectric strength	6 kV	ASTM D-149
Dynamic viscosity	2,6 N/cm	INTERNAL
Temperature service range	$[-73^\circ\text{C} \pm 280^\circ\text{C}]$	INTERNAL

The given values are typical values obtained in specific conditions of temperature, loads and adhesive surface determined by norm. The user must determine if the tape is suitable for their specific application by testing the product. In case help is needed, ATyT will provide you with professional customer support and recommendation, indicating which tape suits best your needs.



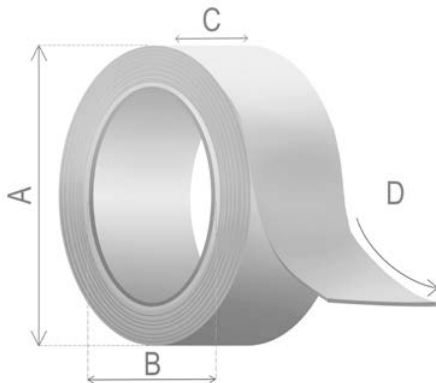
APPLICATIONS

- Specially designed for applications in the electrical / electronic sector with special use in the construction / assembly of motherboards.
- Intended for high temperature masking applications.
- Used to protect the gold fingers of printed circuit boards during the wave or dip soldering process.
- Wrapping for coils, transformers, capacitors, wire harnesses, and for anchoring wires / terminal boards.
- Widely used also on solar panels, fiber optic cables, etc.



Surfaces to which tape is applied should be clean, dry and free of grease, oil, moisture, dirt and other contaminants. Sufficient pressure should be applied during application. If not, it will affect the properties and appearance of the product.

STANDARD PRESENTATION:



Outer diameter (A)	96 mm				
Core diameter (B)	76 mm				
Width (C)	6 mm	9 mm	12 mm	15 mm	25 mm
Length (D)	33 m				

Any other length and width available on request. Check conditions. The product can be supplied with a multitude of different types of presentation (see conditions). Among others, we highlight: the personalization of the core, the customized plastic packaging, the shrink wrapping and the labeling of the tape.



STORAGE CONDITIONS

For better conservation of properties, product should be stored in its original packaging, between 20 and 30° C, preserved from direct exposure to sun and moisture. It is recommended to use the product within 12 months, since dispatching date.



GENERAL WARRANTY CONDITIONS

ATyT recommends applying the product only on clean, dry and free of grease, oil or other contaminants surfaces.

Product properties are typical and should not be considered specifications. They are based on tests believed to be reliable and performed conformance with recommended test methods. Values are expected to be used for comparison purposes only; they do not represent a manufacturer guarantee. Before using, the client should determine whether the product is fit for a particular purpose and for the user's method of application.

