



MATERIALS SAMPLE PREPARATION & CHARACTERISATION

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- Polyimide Silicone Tape L 10

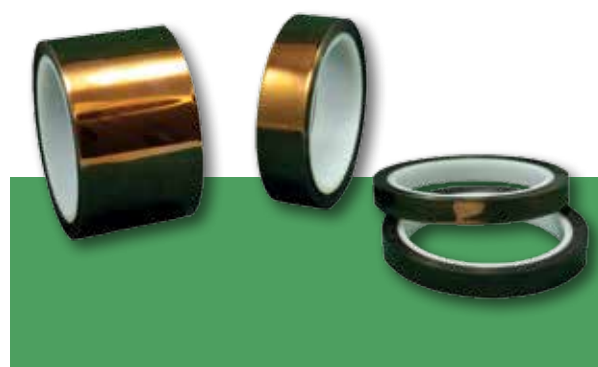
Polyimide Silicone Tape

KAPT6338 is a polyimide film coated with a silicone adhesive. It is suitable for secondary vacuum applications (down to 10^{-7} mbar).

APPLICATIONS

KAPT6338 is an all purpose high temperature resisting tape. It is also used as a mask in the wave solder and reflow process. KAPT6338 provides a clean and safe removal after processing.

Polyester film is the most frequently used material for masking during the thin film coating and paint spraying processes. Polyimide film can be used where a high temperature mask is called for.



SPECIFICATIONS

PROPERTIES	DESCRIPTION
Substrate	Polyimide film
Adhesive system	Silicone
Base thickness	0.025 mm
Total thickness	0.065 mm
Peel strength	3.0 N.cm^{-1}
Tensile strength	50 N.cm^{-1}
Dielectric strength	7.0 kV
Colour	Bronze
Elongation	70%
Thermal classification	180°C (Class H)
Vacuum compatibility	10^{-7} mbar

AVAILABILITY

Standard rolls are 33 m long. Slit reels can be supplied to any width from 3 mm. Dots, strips and diecut parts can be supplied using this tape.

ORDERING INFORMATION (for our rolls available on stock, with one side silicone adhesive)

P/N	WIDTH (mm)	POLYIMIDE THICKNESS (mm)	TOTAL THICKNESS (mm)
KAPT6338-3	3	0.025	0.065
KAPT6338-5	5	0.025	0.065
KAPT6338-9	9	0.025	0.065
KAPT6338-10	10	0.025	0.065
KAPT6338-12	12	0.025	0.065
KAPT6338-15	15	0.025	0.065
KAPT6338-19	19	0.025	0.065
KAPT6338-20	20	0.025	0.065
KAPT6338-25	25	0.025	0.065
KAPT6338-50	50	0.025	0.065
KAPT6338-100	100	0.025	0.065

NOTE 1: Non adhesive and metallized tapes are also available upon request.

NOTE 2 : Total thickness of 65 μm enables the use of this tape as viewport protection by applying directly the tape on windows in secondary vacuum. The transparency stays good enough for observation and this makes an easy and cost effective protection.



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