

TECHNICAL DATA

POLYIMIDE FILM TAPE

**Product Code: BT06A
(Flame Retardant)**



Description : BT06A products use our proprietary halogen-free, high temperature, modified acrylic adhesive and 1 mil polyimide film pressure sensitive adhesive. This product complies with the flame Retardant requirements of UL 510.

Application : Some of Polyimide tape's primary uses are in electrical applications such as coil insulation, capacitor and transformer wrapping or insulation, magnetic wire insulation, and in gold leaf masking during wave soldering. It is also used as a very high temperature mask during powder coating applications.

Polyimide tape is also used in the auto industry for wrapping switches, diaphragms, sensors and coils in seat heaters. The aerospace industry uses Polyimide tape primarily for insulation of aircraft and spacecraft wings. Kapton tape's unique ability to maintain its physical, mechanical and electrical properties and its wide temperature range makes it appealing to a wide range of industries applications. Finally, Polyimide tape can be laminated, metallized and punch formed; and these capabilities make it a candidate for converting to custom shapes and sizes.

| Technical Details : | <u>PROPERTIES</u> | <u>UNIT</u> | <u>SPECIFICATION</u> |
|---------------------|-------------------------|-------------|----------------------|
| | COLOR | - | amber |
| | TOTAL THICKNESS BACKING | mm | 0.06 ± 0.003 0.025 |
| | THICKNESS TENSILE | mm | 11 |
| | STRENGTH ELONGATION AT | mm | 50 |
| | BREAK ADHESIVE TO STEEL | kg/25mm | 0.7 |
| | BREAKDOWN VOLTAGE | % | 5.0 |
| | TEMPERATURE RATING | kg/25mm | 180 |
| | | kV | |
| | | °C | |

Availability : Standard 33M roll, 3" core, width 500 mm

Shelf Life : 6 months when storage at 23°C and 65% relative humidity

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