

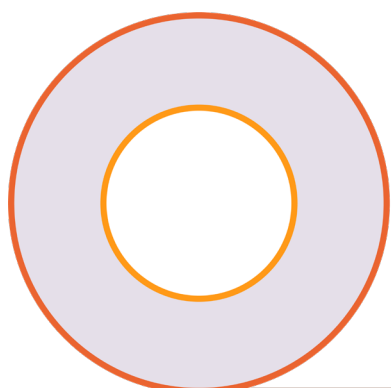
POLYIMIDE TAPE – IS 51626 VF

80 MICRON

PRODUCT DESCRIPTION

IS 51626 VF Polyimide tapes are essential for innovative design solutions across a wide range of industries, including consumer electronics, solar photovoltaic and wind energy, aerospace, automotive, and various industrial applications. Known for their high dielectric strength and silicon adhesive that leaves no residue, these tapes offer unmatched performance and reliability.

PRODUCT STRUCTURE



SILICON ADHESIVE

POLYIMIDE FILM



PRODUCT FEATURE

- **High Dielectric Strength:** Ensures superior electrical insulation.
- **Residue-Free Silicon Adhesive:** Leaves no adhesive residue upon removal.
- **Exceptional Performance:** Reliable and durable under extreme conditions.
- **Versatile Properties:** Combines electrical, thermal, chemical, and mechanical attributes.
- **Withstands Harsh Environments:** Ideal for extreme temperatures, vibrations, and demanding environments.

PRODUCT APPLICATION

- **Automotive Sensors and Manifolds:** Used for insulating and protecting critical automotive components.
- **Insulating Circuit Boards:** Provides effective insulation for circuit boards.
- **Etching:** Suitable for use in precise etching processes.
- **Fiber Optics Cable:** Ensures protection and performance in fiber optics.
- **High Temperature Powder Coating:** Withstands high temperatures required in powder coating processes.
- **Semiconductor Manufacturing:** Essential for various stages of semiconductor fabrication.
- **Wave Soldering:** Used during circuit board assembly to protect components during wave soldering.

PHYSICAL PROPERTIES

CHARACTERISTIC	UNIT	VALUE
COLOR	-	Golden Brown
BACKING	-	Polyimide Film
ADHESIVE TYPE	-	Silicon Based
THICKNESS	MICRON	80 ± 0.05
INITIAL TACK	STEEL BALL NO.	N/A
TENSILE STRENGTH	N/25MM	≥ 230
HOLDING POWER	H	N/A
PEEL ADHESION	N/25MM	≥ 5.5
ELONGATION	%	≥ 50
TEMPRATURE RESISTANT	°C	-20 – 280
BREAKDOWN VOLTAGE	KV	9

Information in the above sheet is the average value of the tests, it should not be taken as the exact values of every single product. Customers have the obligation to check whether the product is suitable for their own applications.

STORAGE AND USAGE

Tape should be stored in dry, cool, shelter area and avoid direct sunlight, storage temperature under 40°C under correct storage conditions maintains its characteristics for two years.

NOTICE

- Please try a sample and make sure the tape is suitable for the application before use it.
- Customers who buy the jumbo rolls should stop the re-winding and slitting once find that there has quality problem with the jumbo. Contact us right away. If customers re-wind/cut the problematic jumbo into log/finished rolls, Instabiz Solutions India Pvt. Ltd. will not response to make any indemnity.
- Ideal tape application temperature is 8 to 38 Celsius. It is not suggested to use the tape below zero Celsius, because the adhesive will become too firm to adhere readily. However, once customers insist on using the tape under such a low temperature, please contact us, Instabiz Solutions India Pvt. Ltd. will adjust the adhesive, but Instabiz Solutions India Pvt. Ltd. doesn't guarantee anything.
- Firm application pressure helps develop better adhesive contact and improves bond strength, the bonding surfaces must be clean, dry and well unified. Seal completely when not use the tape, avoid expose the tape in the sunlight.
- Expiry date: Original packaging, 23 C & 60% humidity, 12 months after production date. If product is not kept under such temperature and humidity, jumbo/log rolls should be finished within four months, finished rolls should be finished within one month.
- All Instabiz Solutions India Pvt. Ltd. products are strict inspected before sent to customers, but the applications might be different between different customers, there may exist factors which are beyond Instabiz Solutions India Pvt. Ltd. knowledge and control, so customers should check the quality of every order before use the tape. If customers use the product without inspection, they must be responsible for the potential quality problems and economic loss. If the product is proved to be defective, the exclusive remedy, at Instabiz Solutions India Pvt. Ltd. option, shall be to refund the purchase price of or replace the problematic product.

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