

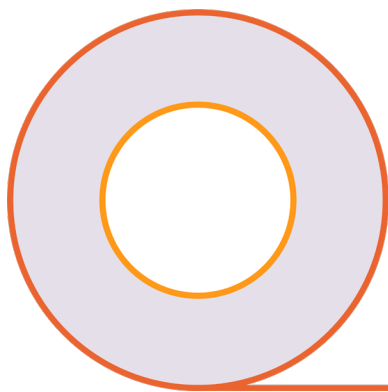
GREEN POLYESTER TAPE – IS 51316 V

80 MICRON

PRODUCT DESCRIPTION

IS 51316 V High-Temperature Polyester Film Tape is the industry standard for general-purpose powder coating applications. Designed to mask areas that do not require coating, this tape features a polyester film carrier coated with pressure-sensitive silicone adhesive. It offers high temperature resistance, electrical insulation, radiation resistance, and solvent resistance. The tape adheres easily, removes without residue, and is ideal for high-temperature stoving varnish and powder coating masking.

PRODUCT STRUCTURE



SILICON ADHESIVE

PET FILM



PRODUCT FEATURE

- **High Temperature Resistance:** Withstands temperatures from -94°F to 400°F (-70°C to 204°C).
- **Electrical Insulation:** Provides excellent electrical insulation properties.
- **Radiation Resistance:** Resists radiation, making it suitable for demanding environments.
- **Solvent Resistance:** Maintains integrity in solvent-rich environments.
- **Easy Application and Removal:** Adheres easily and removes without leaving residue.
- **Versatile Masking:** Suitable for high-temperature stoving varnish and powder coating masking.
- **Cost-Effective:** An economical alternative to polyimide tape.
- **Die-Cut Material:** Ideal for use as die-cut material on liner.

PRODUCT APPLICATION

- **Powder Coating:** High-temperature masking for powder coating, anodizing, and plating.
- **Autoclave Processes:** Temporary holding and masking in autoclave processes.
- **Electronic Joining and Splicing:** Suitable for electronic joining and splicing applications.
- **General Masking:** Masking off areas that do not require coating

PHYSICAL PROPERTIES

CHARACTERISTIC	UNIT	VALUE
COLOR	-	Translucent Green
BACKING	-	PET Film
ADHESIVE TYPE	-	Silicon Based
THICKNESS	MICRON	80 ± 0.05
INITIAL TACK	STEEL BALL NO.	≥ 15
TENSILE STRENGTH	N/25MM	≥ 150
HOLDING POWER	H	N/A
PEEL ADHESION	N/25MM	≥ 8
ELONGATION	%	≥ 50
TEMPRATURE RESISTANT	°C	0 – 220
BREAKDOWN VOLTAGE	KV	8

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.

info@instabizsolutions.com

www.instabizsolutions.com