

## Technical Data Sheet : PTFE Glass Fabric Tape (KAT-S3543)

### Product Description:

**PTFE Glass Fabric Tape** is an easy unwind glass fabric impregnated with PTFE (polytetrafluoroethylene) and coated with a silicone adhesive which provides high temperature resistance and a very strong, abrasion-resistant backing. There are two types of PTFE fabric tapes: the narrow tapes are normally without release paper and the wide ones are always with release paper.

### Features :

- High impact and puncture resistance.
- Excellent tensile and tear strength.
- Provides non-stick, low friction surface.
- Resists most chemicals and corrosive action of most solvents, salts, acids.
- High temperature performance & long aging.
- Exceptionally smooth surface & good heat transfer.
- Excellent dimensional stability and high strength.
- High temperature resistance(-10°C~180°C).
- Fire retardant.
- High insulation, anti-ultraviolet, anti-static.
- Easy to use, easy to clean & long service life.

### Application:

- High temperature roller coating, heating plate and de-moulding fixture.
- Used in heat sealing machines, metal bonding tools, ironing and pressing equipment.
- Used in food, dairy products, pharmaceuticals for plastic film bags heat sealing purpose.
- Applicable to other surface treatment which need to be resistant to adhesion, corrosion and high temperature.
- Used in packaging, thermoplastic, composite, heat sealing, process machinery, textile industry, electronic and electrical industries.

### Physical Properties & Specifications:

Properties	Metric
Backing	Glass Fabric Impregnated with PTFE (75 Mic)
Adhesive	Silicone
Color	Light Brown, Dark Brown, Whitish
Total Thickness	0.100 mm $\pm$ 5%
180° Peel Adhesion	600 grams / Inch
Tensile Strength	18 kg / Inch
Elongation at Break	$\leq$ 5%
Dielectric Breakdown (v)	9.5 KV
Insulation Resistance (M $\Omega$ )	$\geq$ 1 x 10 <sup>6</sup>
Test Temperature (° C)	150° C / 2 hours – No residue.
Operating Temperature	-10° C to +180° C
Self Life	12 Months Before Application

**Note :** The above product recommendations are done in the best knowledge and experience we have at **Klebstoff**, however, we advice that the product has to be tested for a particular purpose and real time application by the customer before ordering. **Klebstoff**, holds the right to make any modifications/improvement in the product in the interest of better performance in the product.

### Works:

GAT No. 1147, Lane. No. 2, Shivtej Park (Sai Park), Near Rasoni College, Wagholi, Pune – 412207. (MH).  
Ph - +91 8050060618 / +91 9763558448. Email – [info@klebstoff.co.in](mailto:info@klebstoff.co.in) & [klebstoff.info@gmail.com](mailto:klebstoff.info@gmail.com)

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### Standard Presentation:

- Roll Width** - Starts from 18/20/24/48 up to 1000 mm (Also, Available in Customized Widths)
- Roll Length** - 10 Mtrs (Also, Available in Customized Lengths if good quantity requirement)
- Thickness** - 0.100 mm  $\pm$  5%.
- Core** - 3mm thick & 76mm Inner Dia ("Klebstoff" Brand or Plain Core)
- Packaging** - Shrinked with PVC Film and Packed In Plain Carton Boxes.
- Color** - Light Brown, Dark Brown & Whitish.

### Handling and Storage:

- Rolls should be stored flat on their cut edges in the original sealed .
- The product must be protected from dust, heat, moisture, direct sunlight and solvent fumes.
- The storage temperature should be as per room temperature (or between +10<sup>0</sup> C to +25<sup>0</sup> C.)
- Relative Humidity 50  $\pm$  10% in Original Packed Cartons
- Use within 6 months from receipt of the material.

### Knowledge for Tape Application and Use :

- The substrate surfaces should be clean, dry and free of dust, grease, oil or other contaminants before applying.
- The Coated adhesion depends on the contact area therefore when applying it requires proper pressure by roller or hand & time helps to develop better adhesive contact and improve the adhesion strength.
- Not doing so may affect the general properties and appearance.

### NOTICE:

- Please try a sample and make sure the tape is suitable for the application before use it.
- Customers who buy Cut Rolls or the jumbo rolls should stop using or re-winding and slitting process once find that there has quality problem with the material. Contact us right away. If customers use the product or re-wind/cut the problematic jumbo into log/finished rolls, **Klebstoff Adhesive Tapes Pvt. Ltd.** will not response to make any indemnity.
- Ideal tape application temperature is 8<sup>o</sup> C to 40<sup>o</sup> C. It is not suggested to use the tape below 0<sup>o</sup> 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, **Klebstoff** will adjust the adhesive, but **Klebstoff Adhesive Tapes Pvt. Ltd.** doesn't guarantee anything.
- Expiry Date:** 12 months after production date. If followed above Handling & Storage Instructions.
- All **Klebstoff Adhesive Tapes 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 **Klebstoff Adhesive Tapes 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 **Klebstoff Adhesive Tapes Pvt. Ltd.** option, shall be to refund the purchase price of or replace the problematic product.

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## Material Safety Data Sheet

### Product Identification : PTFE Glass Fabric Tape (KAT-S3543)

#### Hazard Identification :

- This material is not considered to be hazardous or safety risk.
- The product contains no eye or skin irritants and is not considered to be allergic.

#### Company Details : Klebstoff Adhesive Tapes Pvt. Ltd.

**Address :** GAT No. 1147, Lane No. 2, Shivtej Park, (SAI PARK), Near Rasoni College, Wagholi, Pune - 412207. Maharashtra. (INDIA). Ph - +91 8050060618/+91 9763558448. Email - klebstoffadhesivetapes@gmail.com

#### Composition and Ingredients:

**Backing** – PTFE Coated Glass Fabric.

**Adhesive** – Silicone.

**Release Liner** – N/A.

#### First Aid Measures:

**Skin / Eye Contact:** clean the skin / Eye with lot of water and soap for 15 Minutes.

**Oral:** If a piece of tape is swallowed, rinse out mouth and drink large quantities of water. If necessary obtain medical attention.

**Inhalation:** Remove from exposure and obtain medical assistance in case of breathing difficulties.

#### Fire Extinguishers:

**Flammable Limits:** Not Flammable

**Fire Extinguishers:** Water, foam, co2, and Dry Chemicals.

**Unusual fire hazards:** Produces dense black smoke if burned.

**Protection :** Keep material in room temp and away from heat or fire.

#### Handling and Storage:

- **Work area:** remove the danger of trapping parts of the body or clothing & Maintain Well Ventilated Environment.
- Rolls should be stored flat on their cut edges in the original packaging.
- The product must be protected from dust, heat, moisture, direct sunlight and solvent fumes.
- The storage temperature should be as per room temperature (or between +10<sup>o</sup> C to +25<sup>o</sup> C.)
- Relative Humidity 50 ± 10% in Original cartons.

#### Chemical & Physical Properties:

**Physical State:** Product is solid, supplied in rolls.

**Odour :** Slight Smell or Odorless.

**Colour:** Light Brown, Whitish, Dark Brown.

**Solubility in water :** Not Soluble in Water.

**Auto Ignition Point:** Above 200 Degree temp.

\* Other Properties are Not Applicable.

#### Other Information:

##### ❖ **Accidental Release Measures:**

The product is a solid and insoluble product.

Therefore uncontrolled release (into air or water) is highly unlikely.

❖ **Exposure Controls:** Ensure sufficient ventilation.

▪ **Respiratory/Skin protection:** Not Necessary.

▪ **Eye protection:** Safety glasses Necessary.

▪ **Hand protection:** Gloves are Necessary.

❖ **Toxicological Information:**

Not Applicable/Determined.

❖ **Stability and Reactivity:**

▪ Stable under normal operating temperatures, no hazardous polymerization will occur.

▪ When heated above 310°C, gaseous decomposition products are released.

▪ Decomposition Products : Toxic fumes of carbon monoxide, carbon dioxide, acetaldehyde

❖ **Ecological Information:** Parts of the product will slowly degrade under exposure to UV-light.

❖ **Disposal Considerations:** Dispose product in accordance with regional and local regulations.

❖ **Transport Information:** Product is non-regulated; no special measures are required.

❖ **Regulatory Information:** Not available.

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