

Technical Data Sheet

1. Description

8853XX is a black, polyimide film-based silicone adhesive tape featuring excellent anti-static properties and high-temperature resistance.

2. Product Features

- Anti-static Performance: Excellent; the unwind voltage is less than 100 V.
- Thermal Resistance: Up to 280 °C for short periods.
- Compliance: Meets RoHS standards.

3. Application

- Masking and ESD protection of printed circuit boards (PCBs) during wave soldering or other electronic manufacturing processes.
- Covering contacts during spray painting, powder coating, and solder plating.
- Bundling of transformers, motors, batteries, and electronic components for insulation purposes.

4. General Properties

Property	Material / Value
Backing Material	Polyimide film
Adhesive	Silicone
Color	Black
Standard Size	33 m or 66 m

5. Performance Characteristics

Test Item	Result	Test Standard
Total Thickness (mm)	0.06 mm ± 0.005 mm	PSTC-31
Ideal Application Temp.	-10 °C to 260 °C	PSTC-31
Tensile Strength	50 N / 25 mm	PSTC-31
180° Peel Adhesion	4.0 N / 25 mm	PSTC-101
Elongation (%)	≥ 45%	PSTC-31
Unwind Force	Light	/

6. Storage Conditions

- 6.1 The tape should not be exposed to direct sunlight, extreme heat, or frost. Storage in a cool, dry place at temperatures between 15 °C and 30 °C (59–86 °F) and a relative humidity of 40%–70% is highly recommended.
- 6.2 Shelf Life: Up to 12 months from the date of delivery, provided the product is stored in its original unopened carton under the recommended conditions.

7. Precautions

- Surfaces should be clean, dry, and free from dust, oil, or other contaminants.
- Adequate pressure (via roller, hand, or press) is required during application.
- Avoid repeated re-application to prevent reduction in adhesive strength.

8. Important Notice

All statements, technical information, and recommendations contained herein are based on tests we believe to be reliable; however, their accuracy or completeness is not guaranteed. Please ensure the product is suitable for your intended use before application.