The Tape Lab

# TTL-9143

## 2 Mil Polyimide Silicone Film Tape

## Product Data Sheet

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| | |
|---|---|
| **Face** | 2.0 mil HN Polyimide Film |
| **Adhesive** | 1.5 mils of silicone, pressure-sensitive |
| **Total thickness** | 3.5 Mils |

### FACE PROPERTIES

| | | |
|---|---|---|
| **Thickness** | | 2.0 mil |
| **Color** | | Amber |
| **Elongation** | Test Method: ASTM D-882 | 45% |

Typical substrate values of uncoated materials

### ADHESIVE PROPERTIES

| | | |
|---|---|---|
| **Peel Adhesion**<br>2mil PET | Test Method: DMT-PSTC-1 | >25 oz/ in |
| **Tensile Strength** | | **50lbs / Inch** |
| **Shelf Life**<br>"See Storage Conditions" | | 12 Months<br>Real-time age testing study |
| **Temperature range** | | -100F to 500F(-73C to 260C) |
| **Short Term Resistance** | | 500F( 233C) |
| **Specs met** | | MIL-P-46112B; UL 510; ASTM D-5213, type 1, item A |

### PRODUCT DESCRIPTION

Designed for very high temperature masking of gold fingers on printed circuit boards during the wave solder process. Excellent for use as electrical insulation for a variety of applications in the electronics field. Tape is rated to perform up to 260 degrees C.

### SPLICES

Splices on tape and liner are functional in that they are intended for continuous process conditions.

### STANDARD LABELING

Materials will have core labeling stating the part number, roll number, lot number, width, and linear feet per roll. *Note: Any additional labeling requirements should be noted at time of order entry.*

### TRACEABILITY

Material traceability must comply with current Good Manufacturing Practices. Each shipment of material will contain a lot number, which is traceable through production records

### STORAGE CONDITIONS

Store in original protective packaging at temperatures between 50-80°F and 40-60% RH.

### APPEARANCE

Virtually free from foreign and dark colored matter.

### ROLL DIMENSIONS

Smaller roll length by request.

| | |
|---|---|
| Length | STD 72 yards |
| Width | 48 inch max. |
| Core | 3 inch inside diameter |

| | |
|---|---|
| Issue Date: | June 30, 2021 |
| Revision Date: | N/A |

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