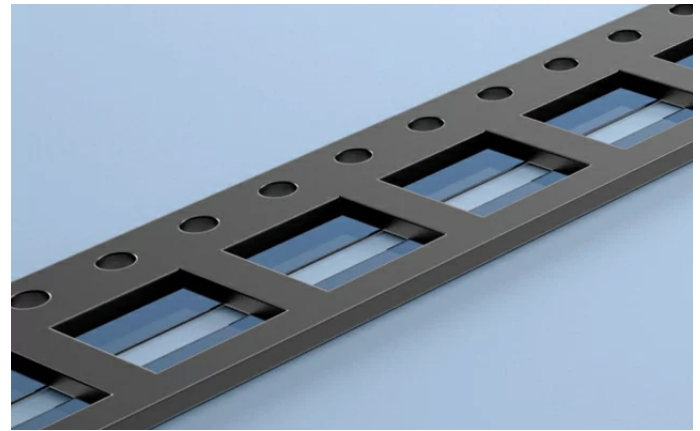


Surftape is a unique form of punched carrier tape ideal for bare die and small devices where protection and placement are critical. Components are placed on a wafer film backing within a compartment boundary. Unlike conventional embossed tape, the compartment does not have to be sized to the component; eliminating the need for custom carrier tape tooling. Traditional cover tape is also not required. Both elements reduce inventory management costs.

Surftape is also an excellent solution for shipping prototypes and early production runs.

- > Ideal for bare die, chip scale packages, MEMs, LEDs, and micro-thin components
- > Devices are held safely in place - preventing corners, edges and surfaces from contacting the packing material
- > Wafer film base secures devices in the position they are placed, no theta correction is required
- > One tape size can fit a multitude of component sizes
- > Supporting semiconductor industry packaging standards:
  - > EIA 747, EIA 481, IEC 60286-3 and JIS C0806



### Carrier Film Properties

Property	Value	Test Method
Type	Carbon loaded Polystyrene	-
Thickness	0.64 & 0.84mm	-
Specific Gravity	1.12 g/cc	ISO 1183
Elongation	40%	ISO 527
Tensile	29 Mpa	ISO 527
Heat Distortion	85°C (185°F)	ASTM D1525
Surface Resistivity	≥10 <sup>4</sup> , <10 <sup>8</sup> Ohms/Sq	ASTM D257

### Adhesive Film Properties

Property	Value	Test Method
Type	PVC	-
Thickness	0.075mm	-
Adhesive	Acrylic-based	-
Impurities Content	<3 ppm	Ion Chromatography
Surface Resistivity (adhesive side)	≥10 <sup>12</sup> Ohms/Sq	IEC 60093
Color	Blue Transparent	Visual

Note: The values presented for this product are typical laboratory data and may be changed without notice.

### Ordering information

Item Number	Width / Pitch (mm)	Max Device Size (mm)
ST84	8 / 4	2.7 x 2.7
ST128	12 / 8	5.0 x 5.0
ST1612	16 / 12	9.0 x 9.0
ST2416	24 / 16	12.5 x 15.0

### Shelf Life and Storage

Product should be used within 18 months from the date of manufacture. Store in its original packaging in a climate-controlled environment where temperatures range from 15 - 30°C (59 - 86°F) and relative humidity 40 - 75%. Allow the product to stabilize at room temperature prior to use.

### Camber

The polystyrene base material meets the current EIA-481 standard for camber that is not greater than 1 in 250 linear millimeters. For 8mm in level wind format, camber will not be greater than 2 in 250 linear millimeters.