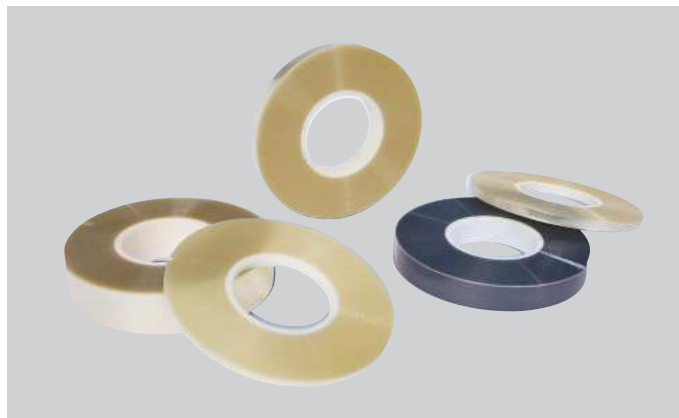




Advantek's PUC Cover Tape is a static dissipative, transparent, pressure sensitive cover tape. It is engineered to protect and contain surface mount components in embossed polystyrene and polycarbonate carrier tapes, while minimizing wetting.

- > Re-sealable
- > Transparent to allow post-taping inspection of components in the pocket
- > Formulated to minimize wetting
- > Complies with EIA-481 standards
- > Proven to perform with Advantek Polystyrene and Polycarbonate carrier tape materials
- > Halogen-Free



Material Properties

| Property | Value | Test Method |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|------------------------|
| Thickness | 0.055±0.005 mm | N/A |
| Adhesion to Carrier Tape* | 5.1, 5.4mm: 30 ± 15grams 5.3, 9.2, 9.3mm: 40±20grams 13.3mm: 45±20grams 21.3 - 49.5mm: 60±20 grams 65.5 - 97.5mm: 65±25 grams | EIA-481 |
| Surface Resistivity | ≥1.0E5, <1.0E12 Ohms/sq. (both sides) | ASTM D-257 |
| Surface Resistance | ≥1.0E4, <1.0E11 Ohms (both sides) | ANSI/ESD STM11.13 |
| Tensile Strength | ≥11,000 PSI | ASTM D-882 |
| Transparency | Transmittance: ≥85%; Haze: ≤15%; Clarity: ≥85% | ASTM D-1003 |
| Opaque specks | ≤0.5 mm | CCD Camera measurement |

Note: Values presented are laboratory results and may be changed without notice. *Tests performed using Polystyrene carrier film with specific sealing conditions.

Construction

PUC cover tape has a static dissipative polyester base film, a coating layer of pressure sensitive adhesive and a bottom layer of protective polyester film on the device side. The bottom blocking film is static dissipative to ensure protection of static sensitive devices.

Configurations

PUC cover tape is available in standard widths in 300 splice-free meters per roll, 500 meter lengths are available for widths of 9.3mm and wider. All lengths are shipped on a 3" diameter plastic core. Widths available include all EIA standard widths for carrier tapes between 8 and 104mm.

Shelf Life and Storage

We recommend this product be used within 24 months from the date of manufacture. Store in its original packaging in a climate-controlled environment with temperatures between 15 - 30°C and relative humidity between 10 - 80%. Do not store in direct sunlight or excessive temperature/humidity for prolonged periods. Exceeding these recommendations could result in inconsistent product performance. Allow the product to stabilize at room temperature for 48 hours prior to use.

Reference Sealing Condition

| Parameter | Range |
|--------------------|-------------|
| Application method | Roller |
| Temperature | Ambient |
| Pressure | 10 - 50 PSI |
| Humidity | Ambient |

Ordering Information

| Part number | Tape width (mm) | Adhesive edge width |
|-------------|-----------------|---------------------|
| PUC0051-300 | 5.1±0.1 | 0.7±0.1 |
| PUC0053-300 | 5.3±0.1 | 0.9±0.1 |
| PUC0054-300 | 5.4±0.1 | 0.7±0.1 |
| PUC0092-300 | 9.3±0.1 | 1.0±0.1 |
| PUC0093-300 | 9.3±0.1 | 1.0±0.1 |
| PUC0133-300 | 13.3±0.1 | 1.2±0.1 |
| PUC0213-300 | 21.3±0.1 | 1.5±0.1 |
| PUC0255-300 | 25.5±0.1 | 1.5±0.1 |
| PUC0375-300 | 37.5±0.1 | 1.5±0.1 |
| PUC0495-300 | 49.5±0.1 | 1.5±0.1 |
| PUC0655-300 | 65.5±0.1 | 2.0±0.1 |
| PUC0815-300 | 81.5±0.15 | 2.0±0.1 |
| PUC0975-300 | 97.5±0.15 | 2.0±0.1 |

Note: Contact sales for availability of other widths & lengths.