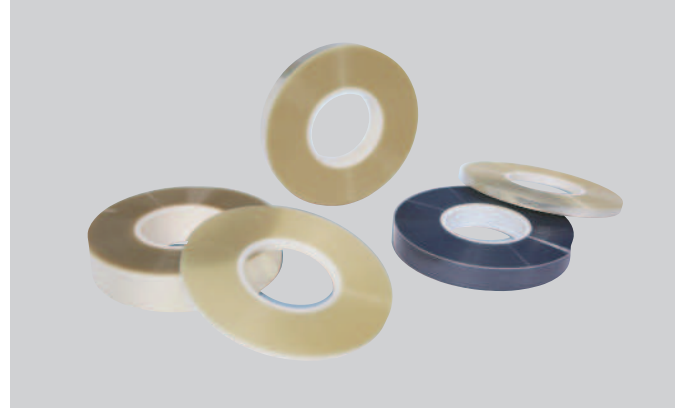


Type PUA Antistatic Pressure Sensitive Cover Tape



Advantek's Type PUA Cover tape is an antistatic, transparent, pressure sensitive cover tape. It's engineered to protect and contain surface mount components in embossed polystyrene and polycarbonate carrier tapes.

- > High consistent adhesion
- > 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 Carrier Tape materials of Polystyrene and Polycarbonate
- > Halogen-Free



Material Properties

| Property | Typical Value | Test Method |
|---------------------------------------|---|-------------|
| Thickness | 0.045 mm | N/A |
| Adhesion to Carrier Tape ¹ | <49.5mm: 50±20g; 49.5mm: 60±20g | EIA-481 |
| Surface Resistivity | ≥1.0E5, <1.0E12 Ohms/sq. (bottom only) | ASTM D-257 |
| Tensile Strength | 9,100 PSI | ASTM D-882 |
| Elongation | 94.3% | ASTM D-882 |
| Transparency | Transmittance: 91%; Haze: 14%; Clarity: 93% | ASTM D-1003 |
| Color | Transparent | N/A |

Note: The values presented for this product are typical laboratory data and may be changed without notice. ¹Tests performed under specific sealing conditions.

Construction

Type PUA cover tape contains a top layer of antistatic 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 anti-static to ensure the protection of static sensitive devices.

Configurations

Type PUA pressure sensitive cover tape is provided with standard width 300 and 500 (9.2mm above) splice-free meters on a 3" diameter plastic core. Widths available include all EIA standard widths for carrier tapes between 8mm and 72mm, plus custom widths by special request.

Shelf Life and Storage

We recommend that the Advantek PUA cover tape be used within 24 months from the date of manufacture. Store this product in its original packaging in a climate-controlled environment with temperatures between 20°C-30°C and relative humidity below 80%. Do not store in direct sunlight or excess temperature/humidity for prolonged periods of time. Exceeding these recommended storage conditions 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 @ 2 meters/minute |
| Temperature | Ambient |
| Pressure | 20 - 80 PSI |
| Humidity | Ambient |

Ordering Information

| Part number | Tape width (mm) | Adhesive edge width |
|--------------|-----------------|---------------------|
| PUA0053-300 | 5.3±0.1 | 0.9±0.1 mm |
| PUA0054-300 | 5.4±0.1 | 0.9±0.1 mm |
| PUA0054-300B | 5.4±0.1 | 0.7±0.1 mm |
| PUA0055-300 | 5.5±0.1 | 0.9±0.1 mm |
| PUA0092-300B | 9.2±0.1 | 0.7±0.1 mm |
| PUA0093-300 | 9.3±0.1 | 1.0±0.1 mm |
| PUA0133-300 | 13.3±0.1 | 1.0±0.1 mm |
| PUA0133-300B | 13.3±0.1 | 0.8±0.1 mm |
| PUA0213-300 | 21.3±0.1 | 1.1±0.1 mm |
| PUA0255-300 | 25.5±0.1 | 1.1±0.1 mm |
| PUA0375-300 | 37.5±0.1 | 1.2±0.1 mm |
| PUA0495-300 | 49.5±0.1 | 1.2±0.1 mm |
| PUA0655-300 | 65.5±0.1 | 1.5±0.1 mm |

Note: Advantek sales may advise you for the availability of other widths & lengths.