

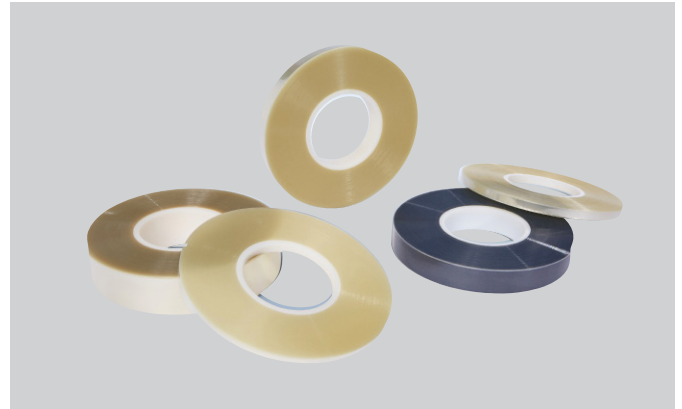


# Type APC Conductive Pressure Sensitive Cover Tape



Advantek's Type APC Cover Tape is an **conductive, pressure sensitive adhesive cover tape. it's engineered to protect and confine surface mount components within the pockets of embossed polycarbonate carrier tapes. APC has a very stable acrylic adhesive that provides a full 2-year shelf life when stored under recommended conditions**

- > High clarity and low haze to allow post-taping inspection of components in the pockets
- > Re-sealable
- > Conductive on device side
- > Consistent adhesion
- > Complies with EIA-481 standards
- > Proven to perform with Advantek's Polycarbonate Carrier Tapes



## Material Properties

Property	Typical Value	Test Method
Thickness	0.0024" (0.061mm)	N/A
Adhesion to Carrier Tape <sup>1</sup>	5.5mm: 45±10g; 9.3-21.3mm: 60±15g; ≥25.5mm: 70±20g	EIA-481
Surface Resistivity	<1.0E5 Ohms/sq. (bottom only)	ASTM D-257
Tensile Strength	12,000 PSI	ASTM D-882
Elongation	100%	ASTM D-882
Transparency	Transmittance: 63%; Haze: 4%; Clarity: 96%	ASTM D-1003
Color	Transparent metalized film	N/A

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

## Construction

Type APC cover tape is constructed in three layers, a 0.00092" thick polyester base film over a 0.0010" thick pressure sensitive acrylic adhesive, with a 0.00048" thick polyester film on the device side. the bottom blocking film is conductive to ensure the protection of static sensitive devices.

## Configurations

The APC pressure sensitive cover tape is available for standard widths in splice-free lengths of 300 meters. Widths of 9.3mm and above are also available in 500 meter lengths. All tape is shipped 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 APC 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 below 25°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
APC0055-300	5.5±0.1	0.7±0.20 mm
APC0093-300	9.3±0.1	1.0±0.20 mm
APC0133-300	13.3±0.1	1.0±0.20 mm
APC0213-300	21.3±0.1	1.5±0.20 mm
APC0255-300	25.5±0.1	1.5±0.20 mm
APC0375-300	37.5±0.1	1.5±0.20 mm
APC0495-300	49.5±0.1	1.5±0.20 mm
APC0655-300	65.5±0.1	2.0±0.20 mm

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