



COVER TAPES

Type APC Pressure Sensitive (PSA) Conductive Cover Tape



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

- Engineered for Polycarbonate Carrier Tape
- Re-sealable
- Meets EIA-481 bonding/peel-back force requirements
- Proven to work effectively with the following Advantek Carrier Tape materials:
 - Types G, N & Q Static Dissipative Polycarbonate

Construction

Type APC Cover Tape is constructed in three layers, a 0.00092" polyester base film over a 0.0010" pressure sensitive acrylic adhesive, with a 0.00048" conductive polyester film on the device side.

Configurations

Type APC Cover Tape is provided splice-free on 3" inner diameter plastic cores. Additional widths may be available by special request.

Part Number*	Tape Width	Adhesive Width/Side	Roll Length	Rolls Per Box
APC0055-300	5.5mm	0.75mm	300m	50
APC0093-300	9.3mm	1.0mm	300m	30
APC0133-xxx	13.3mm	1.0mm	300 & 500m	15
APC0213-xxx	21.3mm	1.5mm	300 & 500m	10
APC0255-xxx	25.5mm	1.5mm	300 & 500m	10
APC0375-xxx	37.5mm	1.5mm	300 & 500m	5
APC0495-xxx	49.5mm	1.5mm	300 & 500m	5
APC0655-xxx	65.5mm	2.0mm	300 & 500m	4
APC0815-xxx	81.5mm	2.0mm	300 & 500m	3
APC0975-xxx	97.5mm	2.0mm	300 & 500m	2

Type APC Recommended Sealing Parameters

Application Method	Roller @ 2 meters/minute
Temperature	Ambient
Pressure	40 PSI
Humidity	Ambient

Material Properties

Property	Typical Value	Test Method/Standard
Overall Thickness	0.0024" (0.061mm)	ASTM D-374
Initial Adhesion to Carrier (Mean Value)**	5.5mm: 45 +/- 10 grams 9.3mm, 13.3mm, 21.3mm: 60 +/- 15 grams >= 25.5mm: 70 +/- 20 grams	EIA-481
Surface Resistivity	Adhesive side: 10^{12} - 10^5 ohms/square Back side: Non-conductive	ASTM D-257
Tensile Strength	12,000 PSI	ASTM D-882
Elongation	100%	ASTM D-882
Overall Width Tolerance	+/- 0.10mm	Laser Micrometer
Adhesive Edge Tolerance	+/- 0.20mm	Laser Micrometer
Transparency	63% Transmittance	ASTM D-1003
	4% Haze	
	96% Clarity	
Color	Transparent metalized film	NA

* Tests performed under specific sealing conditions on formed polycarbonate tape

** Aging at 52°C and 95% RH increased adhesion to carrier by 80%

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

Shelf Life and Storage

Type APC Cover Tape has a shelf life of 24 months from the date of manufacture when kept in recommended conditions. Store this product in its original packaging in a climate-controlled environment where temperatures do not exceed 25°C (75°F) and relative humidity is under 80%. Exceeding these recommended storage conditions could result in inconsistent product performance.

Material	Cover Tape Products								
	AA	ABX	AD	AHP	AHPC	APC	ATA	NS	PS3
PC			X		X	X			
PS, Homogenous PS	X	X	X	X			X	X	X



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Embossed Carrier Tapes	SFT®	Complex Designs	Basic Designs	Interleaf Tapes		
Cover Tapes	Heat Activated	Pressure Sensitive				
Packaging Reels	Pro	Ultra	Lite	Trimline		
Barrier Bags	DRYLOK®	STATLOK®				
Bands	PROBAND®	LOKBAND®				
Humidity Indicator Cards	1 Spot	3 Spot	4 Spot	6 Spot		
Desiccant	1/3 Unit	1/2 Unit	1 Unit	2 Unit	4 Unit	8 Unit
Dicing Tapes	UV Cured	Non UV Cured				

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