



COVER TAPES

Type AHPC Heat Activated Antistatic Cover Tape



Advantek's Type AHPC Cover Tape is a clear, antistatic, heat sealable cover tape engineered to protect and confine surface mount components contained in our carrier tape. AHPC is designed to adhere at various temperatures and dwell times within industry standards.

- Engineered for Polycarbonate Carrier Tapes
- Performs within EIA-481 bonding guidelines
- Proven to work effectively with the following Advantek Carrier Tape materials:
 - Types G, N & Q Static Dissipative Polycarbonate

Construction

Type AHPC Cover Tape is constructed in two layers, a 0.00092" polyester base film covered by a 0.00128" heat-activated adhesive coating layer. Both layers are antistatic to protect static sensitive devices.

Configurations

Type AHPC Cover Tape is provided splice-free on 3" inner diameter plastic cores. Widths available include all EIA standard widths for carrier tapes between 8mm to 120mm. Additional widths may be available by special request.

Part Number	Tape Width	Roll Length	Rolls Per Box
AHPC0054-300	5.4mm	300m	50
AHPC0093-xxx	9.3mm	300 & 500m	30
AHPC0133-xxx	13.3mm	300 & 500m	15
AHPC0213-xxx	21.3mm	300 & 500m	10
AHPC0255-xxx	25.5mm	300 & 500m	10
AHPC0375-xxx	37.5mm	300 & 500m	5
AHPC0495-xxx	49.5mm	300 & 500m	5
AHPC0655-xxx	65.5mm	300 & 500m	4
AHPC0815-xxx	81.5mm	300 & 500m	3

Recommended Sealing Conditions (Single-Strike Seal Mode)

Temperature	170° - 200°C
Dwell Time	0.2 - 0.5 sec.
Pressure	30 - 35 PSI
Seal Rail Width	0.015 - 0.020" (0.38 - 0.51mm)

Material Properties

Property	Typical Value	Test Method/Standard
Initial Adhesion to Carrier**	35 to 55 grams	EIA-481
Surface Resistivity	<10 ¹² ≥10 ⁵ ohms/square (both sides)	ASTM D-257
Tensile Strength	11,000 PSI	ASTM D-882
Elongation	120 - 140%	ASTM D-882
Overall Width Tolerance	+/- 0.10mm	Laser Micrometer
Transparency	Haze 27% Transmittance 93% Clarity 72%	ASTM D-1003
Color	Natural, non-pigmented	NA

** Aging at 52°C and 95% PH increased adhesion to carrier by 80%
Note: The values presented for this product are typical laboratory data and may be changed without notice. Tests performed under specific sealing conditions.

Shelf Life and Storage

Type AHPC Heat Activated Antistatic 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 40°C (104°F) and relative humidity is under 80%.

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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