



## Type AHPC Heat Activated Antistatic Cover Tape

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 Carrier Tape materials: Types G, N & Q Static Dissipative Polycarbonate

0.00092" Antistatic Polyester Film

0.00128" Heat Activated Coating

### 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.

Part Number	Tape Width (+/- 0.10)	Roll Length (m)	Rolls Per Box
AHPC0054-300	5.4mm	300	50
AHPC0093-300	9.3mm	300 & 500	30
AHPC0133-xxx	13.3mm	300 & 500	15
AHPC0213-xxx	21.3mm	300 & 500	10
AHPC0255-xxx	25.5mm	300 & 500	10
AHPC0375-xxx	37.5mm	300 & 500	5
AHPC0495-xxx	49.5mm	300 & 500	5
AHPC0655-xxx	65.5mm	300 & 500	4
AHPC0815-xxx	81.5mm	300 & 500	3

\* Note: Part number for 13.3mm and wider is dependent on roll length; use 300 or 500 in place of "xxx".

### 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%.

### Recommended Sealing Conditions

Temperature	170° – 200° C
Pressure	0.2 – 0.5 sec
Humidity	30 – 35 PSI
Seal Rail Width	0.015 – 0.020" (0.38 – 0.51 mm)



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### Type AHPC Heat Activated Antistatic Cover Tape Material Properties

<sup>1</sup> Tests performed under specific sealing conditions on formed polycarbonate tape.

\*\* 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.

Property	Typical Value	Test Method / Standard
Initial Adhesion to Carrier **	35 to 55 grams	EIA-481
Surface Resistivity	<10 <sup>12</sup> ≥10 <sup>5</sup> 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	<27% Haze	ASTM D-1003
Colour	Natural, non-pigmented	N/A

Cover Tape Compatibility							
Material	AA	AHP	ABX	ATA	PS3	APC	AHPC
G (Polycarbonate)				X		X	X
C (Polystyrene)	X	X	X	X	X		