



Type AA[®] Heat Activated Antistatic Cover Tape

Type AA[®] Cover Tape is an antistatic, transparent, heat sealable cover film. It is engineered to protect and contain surface mount components in embossed polystyrene carrier tapes.

- Transparent to allow post-taping inspection of components while in the pocket
- Formulated to prevent wetting
- Suitable for any heat sealing taping application
- Consistent adhesion
- Complies with EIA-481 standards
- Proven to perform with these Carrier Tape materials: Types C, X, V & T Static Dissipative Polystyrene, Types J, K, L & O Homogenous Polystyrene

0.00092" Antistatic Polyester Film

0.00128" Antistatic Adhesive Coating

CONSTRUCTION

Type AA[®] Cover Tape contains a top layer of 0.00092" thick polyester base film and a bottom layer of 0.00128" thick heat activated adhesive coating layer. Both layers are antistatic to ensure the protection of static sensitive devices.

Part Number	Tape Width (+/- 0.10)
AA05405NP	5.4mm
AA09205NP	9.2mm
AA13305NP	13.3mm
AA21005NP	21.0mm
AA25505NP	25.5mm
AA37505NP	37.5mm
AA49505NP	49.5mm

CONFIGURATIONS

Type AA[®] Heat Activated Cover Tape is provided standard with 300, 400, 500, 600 and 1000 splice-free meters on a 3" inner diameter plastic core. Widths available include all EIA standard widths for carrier tapes between 8mm and 56mm, plus custom widths by special request.

SHELF LIFE AND STORAGE

We recommend that the AA[®] 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 under 50°C (122° F) and relative humidity under 80%. Do not store in direct sunlight or excess temperature/humidity for prolonged periods of time. Allow the product to stabilize at room temperature prior to use.

Type AA[™] Heat Activated Antistatic Cover Tape Material Properties

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

Property	Typical Value	Test Method / Standard
Adhesion to Carrier	40 +/- 30 grams ¹	EIA-481-B
Surface Resistivity	<10 ¹² ≥10 ⁵ ohms/square (both sides)	ASTM D-257 @ 50% RH
Tribo-electric Potential	50 volts max	RS481-A
Tensile Strength	10,000 PSI	ASTM D-882
Elongation	100%	ASTM D-882
Transparency	90% Transmittance 16% Clarity 59% Haze	ASTM D-1003
Colour	Transparent, pale blue	-

Recommended Sealing Conditions (Single-Strike Seal Mode)

Temperature	170° – 210° C
Dwell Time	0.25 – 0.40 sec
Pressure	30 – 35 PSI
Seal Rail Width	0.015 – 0.020" (0.38 – 0.51 mm)



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

The below is typical data and should not be used for any specification purposes.

Material Ionics Data										
Fluoride	Chloride	Bromide	Nitrate	Phosphate	Sulfate	Sodium	Ammonium	Potassium	Magnesium	Calcium
ND	1.65	ND	ND	ND	<1.20	ND	0.52	ND	ND	<0.44