



Type ABx™ Heat Activated Antistatic Cover Tape

Type ABx™ heat-activated antistatic cover tape is a high-quality, low-cost product developed to reduce the tendency to bond to areas other than the seal tracks. This condition is known as 'wetting' and causes unpredictable or unstable peel force as well as visual concerns.

- Formulated to prevent wetting
- Proven to perform with carrier tapes: Types C, X, V & T Static Dissipative Polystyrene, Types J, K, L & O Homogenous Polystyrene
- Ideal package for surface mount components when used with our Carrier tapes, LOKREEL® packaging reels, Static Shielding / Moisture Bags
- Complies with EIA-481 standards

0.0010" Antistatic Polyester Base Film

0.011" Antistatic Adhesive Coating

CONSTRUCTION

Type ABx™ Cover Tape is constructed in two layers, a 0.0010" thick polyester base film covered by a 0.011" thick heat-activated adhesive coating layer. Both layers are antistatic to protect static sensitive devices.

CONFIGURATIONS

Type ABx™ Heat Activated Cover Tape is provided with 300, 500 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 120mm. Additional widths may be available by special request.

Part Number	Tape Width (+/- 0.10)
ABX0054	5.4mm
ABX0092	9.2mm
ABX0133	13.3mm
ABX0210	21.0mm
ABX0255	25.5mm
ABX0375	37.5mm
ABX0495	49.5mm
ABX0655	65.5mm
ABX0815	81.5mm
ABX1135	113.5mm

Recommended Sealing Conditions in Single-Strike 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 – 0.51 mm)

SHELF LIFE AND STORAGE

Type ABx™ Cover Tape has a shelf life of 24 months from the date of manufacture when stored under the recommended condition. We recommend storing this product in its original packaging in a climate-controlled environment with temperatures between 19°C and 40°C (66° - 104°F) and relative humidity under 80%.



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Type ABx™ Heat Activated Antistatic Cover Tape Material Properties

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

Property	Typical Value	Test Method / Standard
Adhesion to Carrier	50 +/- 20 grams ¹	EIA-481-B
Surface Resistivity	<10 ¹² ≥10 ⁵ ohms/square (both sides)	ASTM D-257
Tribo-electric Potential	50 volts max	RS481-A
Tensile Strength	11,000 PSI	ASTM D-882
Elongation	120 - 140%	ASTM D-882
Transparency	93% Transmittance 35% Clarity 51% Haze	ASTM D-1003
Colour	Natural, non-pigmented	-
Standard Roll	3" I.D. core, 300 meters	-

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	ND	ND	<0.263	ND	ND	0.891	0.944	<0.420	<0.368	1.835

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