



## GENERAL INFORMATION

Offering users consistent adhesion and improved resistance to wetting, ADVANTEK ABx Cover Tape is a low-cost alternative to other heat activated cover tapes, yet still delivers highly desirable results.

ABx Cover Tape was developed in order to meet market needs for a low-cost, high quality cover tape. Designed and manufactured in conjunction with our time-tested and proven supplier of Type 'AA' Cover Tape. Additionally, when used in conjunction with ADVANTEK Carrier Tapes, LOKREEL® packaging reels and Static Shielding / Moisture Barrier Bags, ABx completes ADVANTEK's line of products and provides a complete package for surface mount components.

Type ABx Cover Tape complies with industry standards set forth in EIA-481 and has been proven to perform with the following ADVANTEK Carrier Tape materials:

- Types C, X, V & T Static Dissipative Polystyrene
- Types J, K, L & O Homogenous Polystyrene

## Construction

Type ABx Cover Tape is constructed in two layers. The first layer is a 0.0010" thick polyester base film. The second is a 0.0011" thick heat activated adhesive coating layer. Both the top and bottom layers are antistatic to ensure the protection of static sensitive devices.



## Type ABx™ Heat Activated Antistatic Cover Tape

### Clarity

ABx heat activated antistatic cover tape was developed to reduce the tendency to bond to areas other than the seal tracks. This undesirable condition is known as 'wetting' and causes unpredictable or unstable peel force. 'Wetting' is also a visual concern to customers.

### Configurations

Type ABx Heat Activated Cover Tape is provided with 300 meters splice-free 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	Width
ABX10054	5.4mm +/- 0.10
ABX10092	9.2mm +/- 0.10
ABX10133	13.3mm +/- 0.10
ABX10210	21.0mm +/- 0.10
ABX10255	25.5mm +/- 0.10

Part Number	Width
ABX10375	37.5mm +/- 0.10
ABX10495	49.5mm +/- 0.10
ABX10655	65.5mm +/- 0.15
ABX10815	81.5mm +/- 0.15
ABX11135	113.5mm +/- 0.20

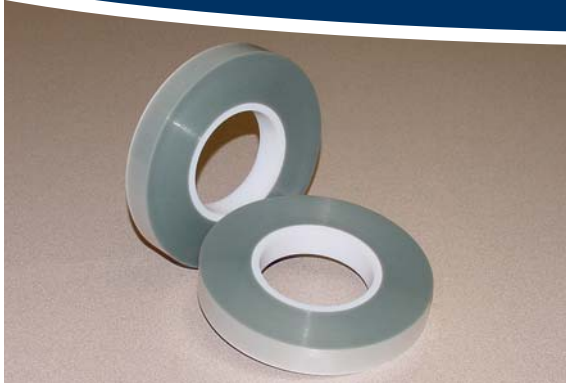
## Recommended Sealing Conditions

The following equipment settings are recommended for optimum performance of Type ABx Cover Tape in 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)

## Shelf Life/Storage Conditions

Type ABx Cover Tape has a shelf life of 24 months from the date of manufacture when stored under the recommended storage conditions. ADVANTEK recommends 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%. Exceeding these recommended storage conditions could result in inconsistent product performance.



### United States

Advantek, Inc.  
5801 Clearwater Drive  
**Minnetonka, MN** 55343  
Tel 952-938-6800  
Fax 952-938-1800

Advantek, Inc.  
51 Morgan Drive  
**Norwood, MA** 02062  
Tel 781-551-9666  
Fax 781-551-8630

Advantek Taping Systems  
6839 Mowry Avenue  
**Newark, CA** 94560  
Tel 510-623-1877  
Fax 510-623-1886

Advantek Taping Systems  
10610 Metric Drive, Suite 169  
**Dallas, TX** 75243  
Tel 214-342-1555  
Fax 214-342-1557

### Germany

Advantek GmbH  
Riegeler Str. 4D  
D-79111 **Freiburg**  
**Germany**  
Tel 49-(0) 761-45546-0  
Fax 49-(0) 761-45546-99

### United Kingdom

Advantek UK Ltd.  
McGregor House  
Southbank Business Park  
Kirkintilloch  
**Glasgow, Scotland** G66 1XF  
Tel 44-(0) 141-578-2231  
Fax 44-(0) 141-578-2232

### Taiwan

Advantek Taiwan, Inc.  
No. 5, Wu-Chuan 6th Road  
Wu-Ku Industrial Park  
**Taipei Hsien** 10248  
**Taiwan**, R.O.C.  
Tel 886-2-2290-1789  
Fax 886-2-2299-6850

### China

Advantek, Inc. China  
Room #501, Tian Lin Building  
300, Tian Lin Road  
**Shanghai, China** 200233  
Tel 86-21-6485-1812

### Singapore

Advantek Products (S) Pte Ltd.  
7 Woodlands Terrace  
Woodlands East Industrial Estate  
**Singapore** 738432  
Tel 65-67596800  
Fax 65-67595800

### Japan

Advantek Dy, Ltd.  
17-11-3F, Kita-machi  
**Tokorozawa**, Saitama  
**Japan** 359-1113  
Tel 81-42-939-1727  
Fax 81-42-939-1728

## Material Properties

Property	Typical Value	Test Method/Standard
Adhesion to Carrier	50 +/- 20 grams <sup>1</sup>	EIA-481-B
Surface Resistivity	<10 <sup>12</sup> ≥ 10 <sup>5</sup> ohms/square (both sides)	ASTM D-257
Tribo-electric Potential	50 volts max	Advantek 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
Color	Natural, non-pigmented	
Standard Roll	3 inch I.D. core, 300 meters	

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

## Material Ionics Data

ABx Cover ppm	
Fluoride	ND
Chloride	ND
Nitrite	<0.263
Bromide	ND
Nitrate	ND
Phosphate	ND
Sulfate	ND
Lithium	ND
Sodium	0.891
Ammonium	0.944
Potassium	<0.420
Magnesium	<0.368
Calcium	1.835

Note: The above ionics data was measured by an independent laboratory.  
ND= None Detected