



EMBOSSED CARRIER TAPES

Tri-Laminate PS+C  
Type C, W, X, V & T  
Carrier Tape



Advantek's exclusive Tri-Laminate PS+C (polystyrene with carbon) carrier tape provides devices maximum protection from physical and ESD damage during shipping and storage. Tri-Laminate PS+C carrier tape is available in a variety of thicknesses, enabling selection of the best material for the broadest range of design applications.

- Suitable for complex and basic pocket designs.
- All Advantek carrier tape is manufactured in accordance with EIA standards to ensure compatibility with tape and reel equipment.
- Widths from 8 to 200mm
- Lengths up to 1000m
- Formulated to provide maximum crush resistance and consistent peel force with heat activated and pressure sensitive cover tapes.

Tri-Laminate PS+C Carrier Tape Material Properties						
	Type V	Type W	Type C	Type X	Type T	Test Method
Standard Thickness	0.21mm	0.25mm	0.30mm	0.35mm	0.50mm	
Specific Gravity	1.06 g/cc	1.06 g/cc	1.06 g/cc	1.06 g/cc	1.06 g/cc	ASTM D-792
Tear Strength	LD 0.53 lb TD 0.61 lb	LD 0.53 lb TD 0.61 lb	LD 0.53 lb TD 0.61 lb	LD 0.53 lb TD 0.61 lb	LD 0.53 lb TD 0.61 lb	ASTM D-1938 [4]
Elongation	LD 65% TD 14%	LD 65% TD 14%	LD 65% TD 14%	LD 65% TD 14%	LD 65% TD 14%	ASTM D-882 [5]
Tensile Strength	LD 6575 psi TD 6445 psi	LD 6575 psi TD 6445 psi	LD 6575 psi TD 6445 psi	LD 6575 psi TD 6445 psi	LD 6575 psi TD 6445 psi	ASTM D-882 [5]
Vicat Softening	107°C (225°F)	107°C (225°F)	107°C (225°F)	107°C (225°F)	107°C (225°F)	ASTM D-1525
Surface Resistivity	<10 <sup>12</sup> ≥ 10 <sup>5</sup> ohms/square	<10 <sup>12</sup> ≥ 10 <sup>5</sup> ohms/square	<10 <sup>12</sup> ≥ 10 <sup>5</sup> ohms/square	<10 <sup>12</sup> ≥ 10 <sup>5</sup> ohms/square	<10 <sup>12</sup> ≥ 10 <sup>5</sup> ohms/square	ASTM D-257 Static Dissipative per

Note: The values presented for this product are typical laboratory data and may be changed without notice.

Shelf Life and Storage

We recommend that Advantek Tri-Laminate PS+C carrier tapes be used within 5 years of the date of manufacture. Store this product in its original packaging in a climate-controlled environment where temperature ranges from 21°C +/- 17°C (70°F +/- 30°F). This product is not affected by humidity. Allow the product to stabilize at room temperature prior to use.

Camber

The Advantek Tri-Laminate PS+C series meets the EIA-481-D standard for camber that is not greater than 1mm in 250 linear millimeters. For 8mm to 24mm carrier tape in the level wind format, the camber will not be greater than 2mm in 250 linear millimeters.

Material Ionics Data	
Fluoride	ND
Chloride	0.0190
Nitrite	0.0040
Bromide	ND
Nitrate	0.0040
Phosphate	0.0040
Sulfate	0.0056
Lithium	0.0002
Sodium	0.0672
Ammonium	0.0048
Potassium	0.0074
Magnesium	0.0065
Calcium	0.0188

COVER TAPE COMPATIBILITY							
MATERIAL	AA	AHP	ABX	ATA	PS3	APC	AHPC
C,W, X, V & T Tri-laminate (Polystyrene + Carbon)	X	X	X	X	X		

Note: The above material ionics data was measured by an independent laboratory



Our wide line of component packaging products offers the flexibility you need to balance price and performance.



**ADVANTEK**  
engineered confidence™

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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