



EMBOSSED CARRIER TAPES

Homogenous PS+C Type K, L & O Carrier Tape



Advantek's PS+C (polystyrene plus carbon) carrier tape is an alternative to the tri-laminated formulations. The specially modified static dissipative polystyrene offers sufficient strength and stability over time and temperature variations for limited range of tape designs. It is available in a variety of thicknesses, enabling the appropriate selection for your application.

Shelf Life and Storage

We recommend that Advantek PS+C carrier tapes be used within 5 years from 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 Homogeneous 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.

Homogenous PS+C Carrier Tape Material Properties

	Type K	Type L	Type O	Test Method
Standard Thickness	0.25mm	.30mm	.35mm	
Specific Gravity	1.06 g/cc	1.06 g/cc	1.06 g/cc	ASTM D-792
Tear Strength	LD 0.30 lb TD 0.49 lb	LD 0.30 lb TD 0.49 lb	LD 0.30 lb TD 0.49 lb	ASTM D-1938 [4]
Elongation	LD 65% TD 56%	LD 65% TD 56%	LD 65% TD 56%	ASTM D-882 [5]
Tensile Strength	LD 3210 psi TD 2765 psi	LD 3210 psi TD 2765 psi	LD 3210 psi TD 2765 psi	ASTM D-882 [5]
Vicat Softening	100°C (213°F)	100°C (213°F)	100°C (213°F)	ASTM D-1525
Surface Resistivity	<10 ¹² ≥ 10 ⁵ ohms/square	<10 ¹² ≥ 10 ⁵ ohms/square	<10 ¹² ≥ 10 ⁵ ohms/square	ASTM D-257 Static Dissipative per EIA 541

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

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

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

COVER TAPE COMPATIBILITY

MATERIAL	AA	AHP	ABX	ATA	PS3	APC	AHPC
K, L & O Homogenous (Polystyrene + Carbon)	X	X	X	X	X		



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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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