



## Tri-Laminate PS+C Type D & I Carrier Tape

Tri-Laminate PS+C (polystyrene with carbon) Type D&I provides an economical alternative to type C material. This modified static dissipative polystyrene offers good strength and stability over time and temperature variations. Its uniform surface texture offers a consistently flat sealing area and is suitable for use with a wide variety of pocket designs.

- Compliant with EIA standards
- Available in widths from 8 to 24mm
- Formulated for use with heat activated and pressure sensitive cover tapes.

### SHELF LIFE AND STORAGE

We recommend that 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 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.

### Tri-Laminate PS+C Carrier Tape D & I Material Properties

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

	Type D	Type I	Test Method
Standard Thickness	0.30mm	0.25mm	-
Specific Gravity	1.06 g/cc	1.06 g/cc	ASTM D-792
Tear Strength	LD 0.22 lb	LD 0.22 lb	ASTM D-1938 [4]
Elongation	LD 102.2% TD 68%	LD 102.2% TD 68%	ASTM D-882 [5]
Tensile Strength	LD 3911 psi TD 3071 psi	LD 3911 psi TD 3071 psi	ASTM D-882 [5]
Vicat Softening	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	ASTM D-257 Static Dissipative per EIA 541

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
0.0023	0.0170	ND	0.0262	ND	ND	0.0101	0.0014	0.0042	ND	0.0070

Cover Tape Compatibility							
Material	AA	AHP	ABX	ATA	PS3	APC	AHPC
D & I Tri-laminate (Polystyrene)	X	X	X	X	X		