



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

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 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 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

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

	Type K	Type L	Type O	Test Method
Standard Thickness	0.25mm	0.30mm	0.35mm	-
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

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	0.0190	ND	0.0040	0.0040	0.0056	0.0672	0.0048	0.0074	0.0065	0.0188

Cover Tape Compatibility							
Material	AA	AHP	ABX	ATA	PS3	APC	AHPC
K, L & O Homogenous (Polystyrene + Carbon)	X	X	X	X	X		