



Advantek's high formability K-Series Tri-Laminate PS+C (polystyrene with carbon) is suitable for a wide range of sizes and design complexities. It provides protection from physical and ESD damage during handling and is available in a variety of thicknesses.

- > Suitable for standard and complex pocket designs
- > Available in widths from 8 to 200mm
- > Easily supporting pocket depths of over 25mm
- > All Advantek carrier tape is manufactured in accordance with current EIA standards to ensure compatibility with tape and reel equipment



Material Properties

Property	Unit	Setup	Value	Standard
Material Thickness	mm	-	KC - 0.30 KU - 0.40 KW - 0.50 KY - 0.60	-
Gloss @ 60°	GU	Shiny	5 - 30	ASTM D523
		Matte	5 - 30	
Surface Resistance	Ohms	Shiny	1.0E5 - 1.0E11	ASTM D257
		Matte	1.0E5 - 1.0E11	
Tensile Strength @ Break	Psi	Machine Direction	2900 - 5000	ASTM D882
Elongation @ Break	%		50 - 95	
Glass Transition Temperature	°C	10°C/min	110 - 120	ASTM 3418
Density	g/cm ³	-	1.0 - 1.5	ASTM D792
Color	-	-	Black	ADV Internal
Transmittance	%	-	-	ASTM D1003
Haze	%	-	-	

Note: Conditioned at 23 °C, 50% RH for 24 hours. Values presented are typical laboratory results and may be changed without notice.

Shelf Life and Storage

Product should be used within 5 years of the date of manufacture. Store in its original packaging in a climate-controlled environment of 21 ± 17°C (70 ± 30°F). Stabilize at room temperature prior to use.

Camber

Meets current EIA-481 standards - not greater than 1 in 250 linear millimeters. For 8mm carrier tape in level wind format, camber will not be greater than 2 in 250 linear millimeters.

Cover Tape Compatibility

Type	Heat Activated			Pressure Activated
	HUG	AD2	HUE	PUC
Polystyrene Tri-Lam	✓			✓