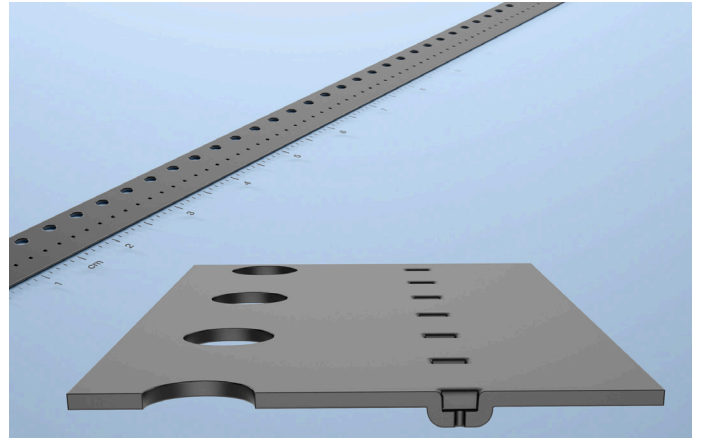Advantek R-Series Polycarbonate monolayer material provides excellent precision across a range of pocket designs and requirements. It is optimized for high volume 8mm and 12mm tape widths, providing the industry's leading high precision solutions for tapes requiring extreme accuracy. ESD safe polycarbonate maintains its flexibility, stability and strength through time and temperature variations.

> Engineered for high-precision pockets supporting small components, LEDs and bare die applications
> Engineered for high volume production
> Optimized for 8mm and 12mm wide tapes
> All Advantek carrier tape is manufactured in accordance with current EIA standards to ensure compatibility with tape and reel equipment

Material Properties

Property	Value	Test Method
Material Code - Thickness	RF - 0.21mm RE - 0.23mm RB - 0.25mm	-
Specific Gravity	1.25 g/cc	ASTM D792
Tensile Stress, Yield	590 kgf/cm2	ASTM D638
Tensile Strain, Break	20%	ASTM D638
Flexural Stress	980 kgf/cm2	ASTM D790
Heat Distorion	129°C (264°F)	ASTM D648
Surface Resistivity	$\geq 10^5$, $<10^{12}$ Ohms/Square	ASTM D257
Color	Black	-

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

Shelf Life and Storage

We recommend that Advantek Polycarbonate carrier tapes be used within five years from the date of manufacture. Store this product in its original packaging in a climate-controlled environment at less than 37°C (100°F). This product is not affected by humidity. Allow the product to stabilize at room temperature prior to use.

Camber

The Advantek Polycarbonate carrier tape meets the current EIA-481 standard for camber that is not greater than 1mm in 250 linear milimeters. For 8mm carrier tape in the level wind format, the camber will not be greater than 2mm in 250 linear millimeters.

Cover Tape Compatibility

Type	Heat Activated							Pressure Activated
Material	HUB	HUC	HUD	HUE	HUF	AA	ABx™	PUA
Polycarbonate Monolayer			✓					✓