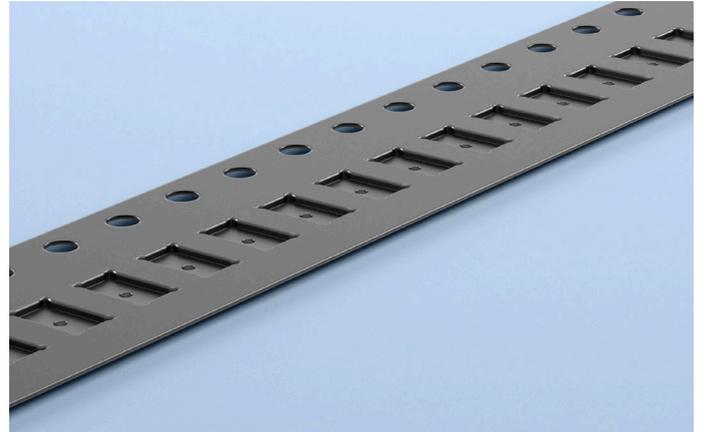


Advantek's Q-Series Polycarbonate material provides superior performance, especially for small pockets requiring very sharp pocket features and support for high draw ratios. ESD-safe polycarbonate maintains its flexibility, stability and strength through time and temperature variations. Advantek's Q-Series carrier tape is available for standard and clean room compatible applications.

- > Engineering for high-precision pockets supporting small components, LEDs and bare die applications
- > Clean room compatible processing available
- > 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	QA - 0.20mm QB - 0.25mm QC - 0.30mm Q - 0.33mm	-
Specific Density	1.27 g/cc	ASTM D792
Elongation	7-9 %	ISO 527
Tensile Strength (Yield)	61 MPa	ISO 527
Surface Resistivity	$\geq 10^4$, $< 10^{12}$ Ohms/Square	ASTM D257
Color	Black	-

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

Shelf Life and Storage

We recommend this product be used within 5 years from the date of manufacture. Store 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

Meets current EIA-481 standard for camber that is 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
	HUB	HUC	HUD	HUE	HUF	AA	HSA	ABx™	PUA
Polystyrene Tri-Lam	✓	✓	✓	✓	✓				✓