

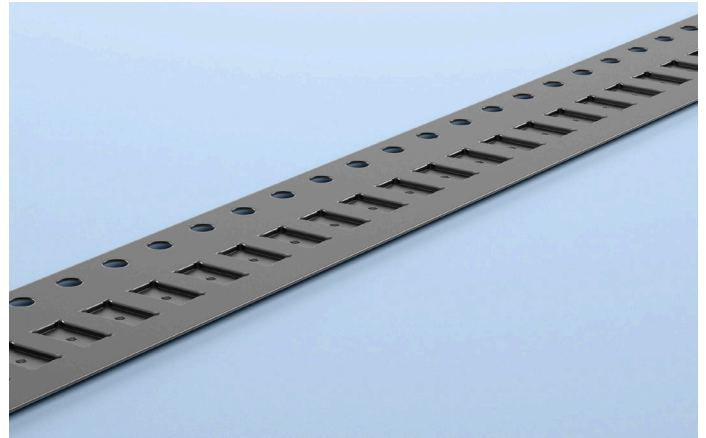


# Polycarbonate Black Monolayer Q-Series



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 Gravity	1.27 g/cc	ISO 1183
Tensile Strength, Break	61 MPa	ISO 527
Tensile Elongation, Break	7-9 %	ISO 527
Flexural Strength	100 MPa	ISO 178
Surface Resistivity	$\geq 10^4$ , $< 10^{12}$ Ohms/Square	IEC 60093
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 that Advantek Polycarbonate 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 Advantek Polycarbonate carrier tape meets the current EIA-481 standard for camber that is not greater than 1mm in 250 linear millimeters. 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	HSA	ABx™	PUA
Polycarbonate Monolayer	✓	✓	✓	✓	✓				✓