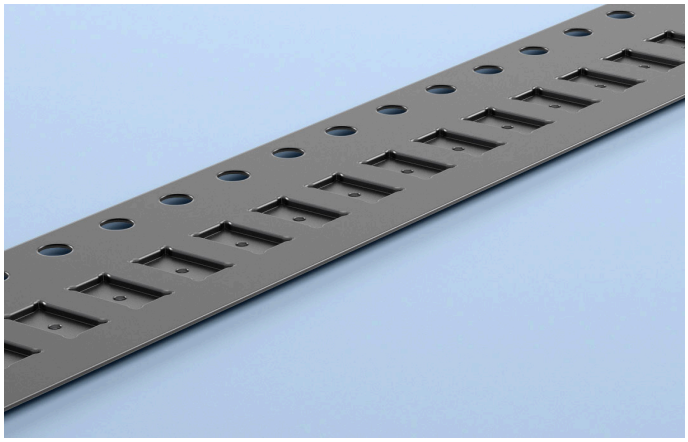
ADVANTEK
Carrying Tomorrow™

Q - Series
Carrier Tape Material

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	Unit	Setup	Value	Standard
Material Thickness	mm	-	QA - 0.20mm QB - 0.25mm QC - 0.30mm Q - 0.33mm	-
Gloss @ 60°	GU	Shiny	50 - 85	ASTM D523
		Matte	9 - 30	
Surface Resistance	Ohms	Shiny	1.0E4 - 1.0E11	STM 11.13
		Matte	1.0E4 - 1.0E11	
Tensile Strength @ Break	Psi	Machine Direction	5000 - 9000	ASTM D882
Elongation @ Break	%		15 - 30	
Glass Transition Temperature	°C	10°C/min	110 - 120	ASTM 3418
Density	g/cm3	-	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 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). Product is not affected by humidity. Allow 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
Material	**HUG**	**AD2**	**HUE**	**PUC**
Polycarbonate Monolayer	✓	✓	✓	✓

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