



EMBOSSED CARRIER TAPES

# Advantek Carrier Tapes



With products suitable in a range from standard uses to precision-engineered applications, Advantek carrier tapes are the industry standard in component packaging. Materials and designs used in our carrier tapes vary, depending on the type of tape and its typical applications. (See our Material Data Sheets for the detailed properties of each material type.)

### Sharp Form Tape (SFT™)

Advantek Sharp Form Carrier Tape, or SFT™, was developed specifically for small form factor devices having precision packaging and confinement requirements. Razor sharp radii and near-vertical side-wall draft angles keep devices level and stable in the pocket, helping to prevent abrasion and reducing pick faults. Small form factor devices served by Advantek SFT™ include bare die, flip chips, CSP's, BGA's and bumped die.



Image shown is actual "potted" sample photographed at 30x magnification.

- Pocket tolerances + 0.05mm (typical)
- Flat pocket bottoms
- Compatible with EIA Standard
- Ionically clean
- Tape designed to optimize device confinement
- Available in Standard and Clean Room compatible formats
- ESD safe base materials
- Available for 8 and 12mm tape width applications

### Complex Carrier Tape Designs

Carrier Tapes with complex designs have the same performance features as tapes with basic designs, but contain pocket features such as chisels, pedestals, tapers, corner reliefs, raised bridges and more. These design elements ensure your devices are contained and presented precisely and securely in form fitted pockets

### Basic Carrier Tape

Advantek Basic Carrier Tape is provided splice-free in single and level wind reel configurations. The number of meters of carrier tape that will fit on a given reel is conditional upon the pocket pitch, pocket depth, and reel configuration. Carrier tape is manufactured in accordance with EIA and EIAJ standards in a range of widths from 8mm to 200mm, and lengths up to 1000 meters, depending on the size and orientation of the device being packaged. Multiple manufacturing

processes and a wide variety of materials are available to ensure your requirements are met. The standard reel configuration is single-wind carrier tape on a 22" diameter corrugated paper reel. Single-wind reel flange diameters are available include 13.0", 22.0" (standard) and 30.0". Level-wind reel flange diameters include 14.25" and 22.0". Both corrugated paper and corrugated plastic reel flanges are offered.

### J series (Burr reduce) carrier tape

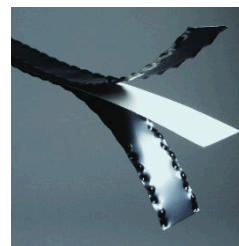
J series carrier tape is an Advantek premier innovation. This premium carrier tape offers the tightest burr requirement\* within the company and industry standard. This top range carrier tape is available with less burr at a reasonable cost. Please approach our friendly sales personnel for more information.

\* The burr measurement is based on Advantek burr definition and in-house measurement standard.

### Interleaf (Bump Tape)

Advantek Protective Interleaf Tape™ is designed to separate sensitive components such as flex circuits of products manufactured in a continuous strip. Packaged components make minimal contact with the tape, making it ideal for storage and shipment of small, thin and lightweight components.

- Manufactured and packaged in Class 10,000 clean room environment
- Liquid particle tests (LPC) can be performed on the product for unmatched cleanliness
- Static-dissipative to protect ESD-sensitive components from electrostatic discharge
- Vacuum-packaged to prevent development of particulates from abrasion or vibration



Advantek Protective Interleaf Tape™ is manufactured from 0.20mm or 0.25mm homogeneous polystyrene, polycarbonate film in widths up to 200mm. It is available in a variety of materials, including static dissipative and insulative. Our Protective Interleaf Tape™ is shipped in reels or reel-less configurations.

### Camber

The Advantek carrier tapes meets the EIA-481-D standard for camber that is not greater than 1mm in 250 linear millimeters. For 8mm to 24mm carrier tape in the level wind format, the camber will not be greater than 2mm in 250 linear millimeters.



Our wide line of component packaging products offers the flexibility you need to balance price and performance.



**ADVANTEK**  
engineered confidence™

Embossed Carrier Tapes	SFT®	Complex Designs		Basic Designs	Interleaf Tapes	
Cover Tapes	Heat Activated			Pressure Sensitive		
Packaging Reels	Pro	Ultra	Lite	Trimline		
Barrier Bags	DRYLOK®			STATLOK®		
Bands	PROBAND®			LOKBAND®		
Humidity Indicator Cards	1 Spot	3 Spot	4 Spot	6 Spot		
Desiccant	1/3 Unit	1/2 Unit	1 Unit	2 Unit	4 Unit	8 Unit
Dicing Tapes	UV Cured			Non UV Cured		

- Germany: +49-761-45546-0
- North America: +1-510-623-1877
- Philippines: +63-49-545-6350
- Singapore: +65-6759-6800
- China: +86-21-5048-4588
- Taiwan: +886-2-2290-1789
- Japan: +81-49-229-5100

advantek.com