



Advantek's AD2 cover tape is a static dissipative, transparent, heat sealable cover tape. It's engineered to protect and contain surface mount components in embossed polycarbonate carrier tapes.

- > Transparent to allow post-taping inspection of components in the pocket
- > Formulated to minimize wetting
- > Suitable for heat taping application
- > Consistent adhesion
- > Complies with EIA-481 standards
- > Performs with Advantek polycarbonate carrier tape materials
- > Halogen-Free



Material Properties

Property	Value	Test Method
Thickness	0.048±0.005 mm	N/A
Adhesion to Carrier Tape*	50±30 grams	EIA-481
Surface Resistivity	≥1.0E5, <1.0E12 Ohms/sq. (both sides)	ASTM D 257
Tensile Strength	≥8,000 PSI	ASTM D 882
Transparency	transmittance: ≥86%; Clarity: ≥67%; Haze: ≤22%	ASTM D 1003
Opaque specks	≤1.0 mm ²	CCD Camera measurement

Note: Values presented are laboratory results and may be changed without notice. *Tests performed under specific sealing conditions.

Construction

Polyester base film and a heat activated adhesive bottom layer. Both sides are static dissipative to ensure protection of static sensitive devices.

Configurations

Provided in 300 and 500 splice-free meters on 3" inner diameter plastic cores. 300 meters is recommended for 8 and 12mm applications. Widths available include EIA standards for carrier tapes between 8mm and 120mm.

Shelf Life and Storage

We recommend this product be used within 24 months from the date of manufacture. Store in its original packaging in a climate-controlled environment with temperatures between 15°C - 30°C and relative humidity 20% - 70%. Do not store in direct sunlight or excessive temperature/humidity for prolonged periods of time. Allow the product to stabilize at room temperature for 48 hours prior to use.

Reference Sealing Condition

Parameter	Range
Temperature	140 - 180°C
Dwell Time	0.05 - 0.50 sec.
Pressure	30 - 49 PSI
Seal Rail width	0.015 - 0.020" (0.38 - 0.51mm)

Ordering Information

Part number	Width (mm)	Length (m)
AD20053-300	5.3±0.1	300
AD20053-500	5.3±0.1	500
AD20054-300	5.4±0.1	300
AD20054-500	5.4±0.1	500
AD20092-300	9.2±0.1	300
AD20092-500	9.2±0.1	500
AD20093-300	9.3±0.1	300
AD20093-500	9.3±0.1	500
AD20133-300	13.3±0.1	300
AD20133-500	13.3±0.1	500

Note: Contact sales for availability of other widths & lengths.