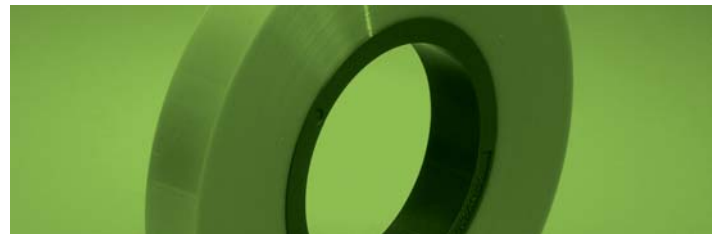




COVER TAPES

Type ATA™ Heat Activated Antistatic Cover Tape



Advantek's Type ATA™ Cover Tape offers excellent clarity and highly consistent adhesion. Its smooth adhesive finish refracts little light, greatly enhancing the tape's clarity while reducing its haze. These features improve your ability to conduct post-taping in-pocket inspection of components. ATA also works with Advantek polycarbonate carrier tape.

- Ultra clear tape to allow post-taping inspection of components while in the pocket
- Performs within EIA-481 bonding guidelines
- Proven to work effectively with the following Advantek Carrier Tape materials:
 - Types C, X, V & T Static Dissipative Polystyrene
 - Types J, K, L & O Homogenous Polystyrene
 - Types G, N & Q Polycarbonate
- Halogen Free

Construction

Type ATA™ Cover Tape is constructed in two layers, a 0.0010" polyester base film over a 0.0015" heat-activated adhesive coating layer. Both layers are antistatic to protect static sensitive devices.



| Part Number | Tape Width |
|-------------|-----------------|
| ATA0054 | 5.4mm +/- 0.10 |
| ATA0092 | 9.2mm +/- 0.10 |
| ATA0133 | 13.3mm +/- 0.10 |
| ATA0210 | 21.0mm +/- 0.10 |
| ATA0255 | 25.5mm +/- 0.10 |
| ATA0375 | 37.5mm +/- 0.10 |
| ATA0495 | 49.5mm +/- 0.10 |

Configurations

Type ATA™ Heat Activated Cover Tape rolls are 480 splice-free meters on a 3" inner diameter plastic core.

Recommended Sealing Conditions

The following sealing parameters apply to single-strike seal mode. Multi-strike, or overlap sealing, may require adjustment outside of these ranges.

| | Polystyrene | Polycarbonate |
|-----------------|---------------------------------|---------------------------------|
| Temperature | 160° -180° C | 200° -210° C |
| Dwell Time | 0.2 - 0.5 sec | 0.3 - 0.5 sec |
| Pressure | 30 - 35 PSI | 30 - 35 PSI |
| Seal Rail Width | 0.015 - 0.020" (0.38 - 0.51 mm) | 0.015 - 0.020" (0.38 - 0.51 mm) |

Type ATA™ Heat Activated Antistatic Cover Tape Material Properties

| Property | Typical Value | Test Method/Standard |
|--------------------------|---|----------------------|
| Adhesion to Carrier | 50 +/- 20 grams ¹ | EIA-481-B |
| Surface Resistivity | <10 ¹² ≥10 ⁵ ohms/square (both sides) | ASTM D-257 @ 50% RH |
| Tribo-electric Potential | 50 volts max | Advantek RS481-A |
| Tensile Strength | 8,100 PSI | ASTM D-882 |
| Elongation | 110% +/- 10% | ASTM D-882 |
| Transparency | 90% Transmittance 89% Clarity 20% Haze | ASTM D-1003 |
| Color | Natural, non-pigmented | |
| Standard Roll | 3" I.D. core, 480 meters | |

Note: The values presented for this product are typical laboratory data and may be changed without notice. ¹Tests performed under specific sealing conditions on polystyrene tape.

Material Ionics Data (ppm)

| | |
|-----------|--------|
| Fluoride | ND |
| Chloride | 25.293 |
| Nitrite | 0.325 |
| Bromide | ND |
| Nitrate | ND |
| Phosphate | ND |
| Sulfate | 0.941 |
| Lithium | 0.455 |
| Sodium | 27.532 |
| Ammonium | .325 |
| Potassium | 0.539 |
| Magnesium | ND |
| Calcium | 0.748 |

Note: The above ionics data was measured by an independent laboratory. ND= None Detected

Shelf Life and Storage

Type ATA™ Heat Activated Antistatic Cover Tape has a shelf life of 24 months from the date of manufacture when kept in recommended conditions. Store this product in its original packaging in a climate-controlled environment where temperatures do not exceed 40°C (104°F) and relative humidity is under 80%. Exceeding these recommended storage conditions could result in inconsistent product performance.

| Material | Cover Tape Products | | | | | | |
|-------------------|---------------------|-----|-----|-----|-----|-----|------|
| | AA | AHP | ABX | ATA | PS3 | APC | AHPC |
| G (Polycarbonate) | | | | X | | X | X |
| C (Polystyrene) | X | X | X | X | X | | |



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| | | | | | | |
|--------------------------|----------------|--------------------|---------------|-----------------|--------|--------|
| 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 | | | | |

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