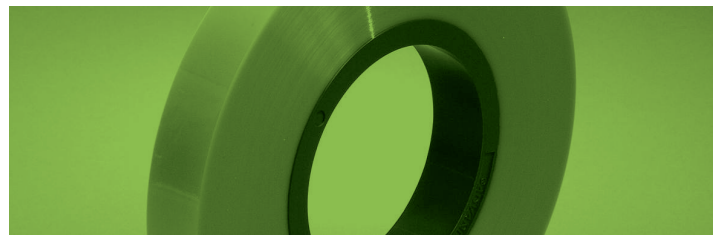




COVER TAPES

Type PS3 Pressure Sensitive Antistatic Cover Tape



PS3 is an antistatic, transparent, pressure sensitive adhesive cover tape engineered to protect and confine surface mount components contained in our polystyrene carrier tapes.

- Meets EIA-481 bonding/peel-back force requirements
- Bonds to polystyrene carrier tapes
- Re-sealable
- Proven to work effectively with the following Advantek Carrier Tape materials:
 - Types C,X,V & T Static Dissipative Polystyrene
 - Types K, L & O Homogenous Polystyrene

Construction

Type PS3 Cover Tape is constructed in three layers, a 0.00092" polyester base film covered by a 0.00050" pressure sensitive acrylic adhesive, with a 0.00048" antistatic polyester film on the device side.

Configurations

Type PS3 Cover Tape is provided splice-free on 3" inner diameter plastic cores.

Shelf Life and Storage

| Part Number* | Tape Width | Adhesive Width/Side | Roll Length | Rolls Per Box |
|--------------|------------|---------------------|-------------|---------------|
| PS30055-300 | 5.5mm | 0.75mm | 300m | 50 |
| PS30093-300 | 9.3mm | 1.0mm | 300m | 30 |
| PS30133-300 | 13.3mm | 1.0mm | 300m | 15 |
| PS30213-xxx | 21.3mm | 1.0mm | 300 & 500m | 10 |
| PS30255-xxx | 25.5mm | 1.5mm | 300 & 500m | 10 |
| PS30375-xxx | 37.5mm | 1.5mm | 300 & 500m | 5 |
| PS30495-xxx | 49.5mm | 1.5mm | 300 & 500m | 5 |
| PS30655-xxx | 65.5mm | 2.0mm | 300 & 500m | 3 |

* Note: Part number for 21.3mm and wider is dependent on roll length; use 300 or 500 in place of "xxx".

Type PS3 Recommended Sealing Parameters

| | |
|--------------------|--------------------------|
| Application Method | Roller @ 2 meters/minute |
| Temperature | Ambient |
| Pressure | 40 PSI |
| Humidity | Ambient |

Material Properties

| Property | Typical Value | Test Method/Standard |
|-------------------------------|--|----------------------|
| Overall Thickness | 0.0019" (0.048mm) | ASTM D-374 |
| Initial Adhesion to Carrier** | 45 +/- 15g 1 (< 5.5mm width) 60 +/- 20g 1 (< 21.3mm width) 85 +/- 25g 1 (> 25.5mm width) | EIA-481 |
| Surface Resistivity | Adhesive side: 10^{12} - 10^5 ohms/square Back side: Non-conductive | ASTM D-257 |
| Tensile Strength | 10,500 PSI | ASTM D-882 |
| Elongation | 100% minimum | ASTM D-882 |
| Overall Width Tolerance | +/- 0.10mm | Laser Micrometer |
| Adhesive Edge Tolerance | +/- 0.20mm | Laser Micrometer |
| Transparency | 93% Transmittance | ASTM D-1003 |
| | 3% Haze | |
| | 97% Clarity | |
| Color | Transparent | NA |

¹ Tests performed under specific sealing conditions on formed polystyrene tape

² Aging at 52°C and 95% PH increased adhesion to carrier by 80%

Note: The values presented for this product are typical laboratory data and may be changed without notice.

Type PS3 Pressure Sensitive 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 are from 0°C to 35°C (95°F) and relative humidity is between 30%-70%. Exceeding these recommended storage conditions could result in inconsistent product performance.



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



| | | | | | | | |
|--------------------------|----------------|--------------------|---------------|-----------------|-----------|--------|--------|
| Embossed Carrier Tapes | SFT® | Complex Designs | Basic Designs | Interleaf Tapes | | | |
| Surftape® | Bare Die | Micro Thin | | | | | |
| Cover Tapes | Heat Activated | Pressure Sensitive | | | | | |
| Packaging Reels | Jumbo™ | Ultra™ | Pro™ | Lite™ | Trimline™ | Mini | |
| Barrier Bags | DRYLOK® | STATLOK® | | | | | |
| Bands | PROBAND® | LOKBAND® | | | | | |
| Humidity Indicator Cards | 1 Spot | 3 Spot | 4 Spot | 6 Spot | | | |
| Desiccant | 1/6 Unit | 1/3 Unit | 1/2 Unit | 1 Unit | 2 Unit | 4 Unit | 8 Unit |

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

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