



EMBOSSED CARRIER TAPES

# Homogenous PS+C Type P Carrier Tape



Advantek's PS+C (polystyrene plus carbon) carrier tape is a specially modified static dissipative polystyrene offering good strength and stability over time and temperature variations for a limited range of tape designs. This material is suitable for high volume (>1Million meters per year) carrier tapes at pre-determined standard reel lengths. The P material offers exceptional protection at a lower cost than our standard C material. It is currently available in 0.30mm thickness.

### Shelf Life and Storage

We recommend that Advantek PS+C carrier tapes be used within 2 years from the date of manufacture. Store this product in its original packaging in a climate-controlled environment where temperature ranges from 21°C +/- 17°C (70°F +/- 30°F). This product is not affected by humidity. Allow the product to stabilize at room temperature prior to use.

### Camber

The Advantek Homogeneous PS+C series meets the EIA-481 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.

Homogenous PS+C Carrier Tape Material Properties

|                     | Type P                                          | Test Method                               |
|---------------------|-------------------------------------------------|-------------------------------------------|
| Standard Thickness  | 0.30mm                                          |                                           |
| Specific Gravity    | 1.06 g/cc                                       | ASTM D-792                                |
| Elongation          | LD 90%                                          | ASTM D-882 [5]                            |
| Tensile Strength    | LD 3840 psi                                     | ASTM D-882 [5]                            |
| Vicat Softening     | >95°C (203°F)                                   | ASTM D-1525                               |
| Surface Resistivity | <10 <sup>12</sup> ≥ 10 <sup>5</sup> ohms/square | ASTM D-257 Static Dissipative per EIA 541 |

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

COVER TAPE COMPATIBILITY

| MATERIAL             | ABx | HUB | HUC | HUD | HUE | PUA | APC |
|----------------------|-----|-----|-----|-----|-----|-----|-----|
| P Type (Polystyrene) | X   | X   | X   | X   | X   | X   | X   |



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

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