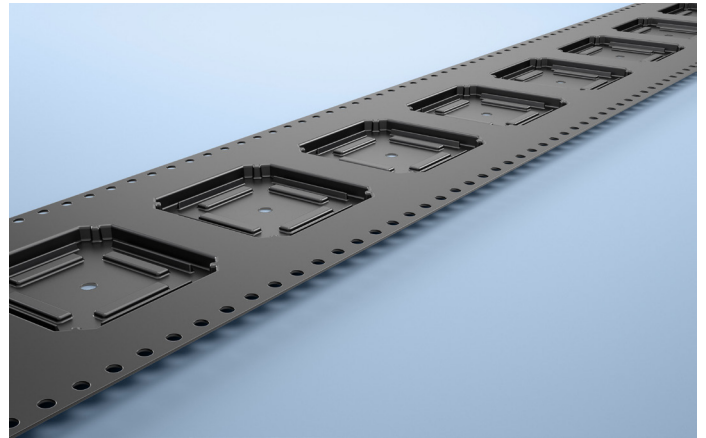




Advantek's exclusive C-Series Polystyrene Black Tri-Laminate (PS+C) carrier tape provides devices maximum protection from physical and ESD damage during shipping and storage. The C-Series is available in a variety of thicknesses to ensure the optimal design for the broadest range of applications.

- > Suitable for standard and complex pocket designs
- > Formulated to provide maximum crush resistance and consistent peel force with heat activated and pressure sensitive cover tapes
- > All Advantek carrier tape is manufactured in accordance with EIA standards to ensure compatibility with tape and reel equipment
- > Widths from 8 to 88mm
- > Lengths up to 1000m



## Material Properties

| Property                  | Value  | Value                        | Test Method                                   |
|---------------------------|--|------------------------------|---|
| Material Code - Thickness | V - 0.21mm<br>C - 0.30mm<br>X - 0.35mm<br>T - 0.50mm | CF - 0.40mm                  | -   |
| Specific Gravity          | 1.06g/cc   | 1.07g/cc                     | ASTM D792                                     |
| Tear Strength             | LD 0.53 lb<br>TD 0.61 lb                             | LD 0.53 lb                   | ASTM D1938                                    |
| Elongation                | LD 65%<br>TD 14%                                     | LD 58%                       | ASTM D882                                     |
| Tensile Strength          | LD 6575 psi<br>TD 6445 psi                           | LD 6600 psi                  | ASTM D882                                     |
| Vicat Softening           | 107C (225F)  | 107C (225F)                  | ASTM D1525                                    |
| Surface Resistivity       | ≥10E5, <10E12<br>Ohms/Square                         | ≥10E5, <10E12<br>Ohms/Square | ASTM D257<br>(Static Dissipative per EIA 541) |
| Color                     | Black  | Black                        | -   |

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

## Shelf Life and Storage

We recommend that Advantek Polystyrene Black Tri-Laminate carrier tapes be used within five years of 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 a room temperature prior to use.

## Camber

The Advantek Polystyrene Black Tri-Laminate series meets the EIA-481 standard for camber that is not greater than 1mm in 250 linear millimeters. For 8mm carrier tape in the level wind format, the camber will not be greater than 2mm in 250 linear millimeters.

## Cover Tape Compatibility

| Type                | Heat Activated |     |     |     |     |    |     |      | Pressure Activated |     |
|---------------------|----------------|-----|-----|-----|-----|----|-----|------|--------------------|-----|
|                     | HUB            | HUC | HUD | HUE | HUF | AA | HSA | ABx™ | PUA                | APC |
| Polystyrene Tri-Lam | ✓              | ✓   | ✓   | ✓   | ✓   | ✓  | ✓   | ✓    | ✓                  |     |