



Polystyrene Tri-Laminate D-Series



Advantek's Mid-line D-Series Tri-Laminate PS+C (polystyrene with carbon) material provides an economical alternative to the C-Series material. This modified static dissipative polystyrene offers good strength and stability over time and temperature variations. Its uniform surface texture offers a consistently flat sealing area and is suitable for use with a wide variety of pocket designs.

- > Suitable for standard and complex pocket designs
- > Available in widths from 8 to 24mm
- > All Advantek carrier tape is manufactured in accordance with current EIA standards to ensure compatibility with tape and reel equipment



Material Properties

| Property | Value | Test Method |
|---------------------------|----------------------------|-------------|
| Material Code - Thickness | I - 0.25mm D - 0.30mm | - |
| Specific Density | 1.06 g/cc | ASTM D792 |
| Tear Strength | LD 0.22 lb | ASTM D1938 |
| Elongation | LD 102.2% TD 68% | ASTM D882 |
| Tensile Strength | LD 3911 psi TD 3071 psi | ASTM D882 |
| Vicat Softening | 107°C (225°F) | ASTM D1525 |
| Surface Resistivity | ≥10E5, <10E12 Ohms/Sq | ASTM D257 |

Shelf Life and Storage

We recommend that Advantek Tri-Laminate PS+C carrier tapes be used within 5 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 at room temperature prior to use.

Camber

This Advantek Tri-Laminate PS+C series meets the current 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 |
| Polystyrene Tri-Lam | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ |