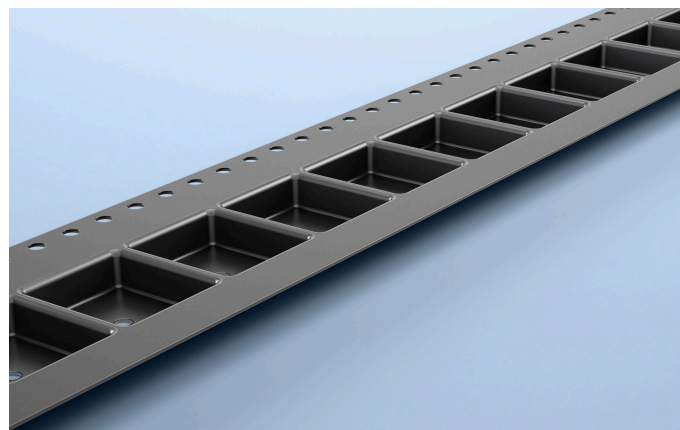


Advantek's mid-line D-Series Tri-Laminate PS+C (polystyrene with carbon) material provides an economical alternative. This modified static dissipative polystyrene offers good strength and stability over time and temperature variation. Its uniform surface texture offers a consistently flat sealing area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

- > Suitable for standard and complex pocket designs
- > Recommended for widths from 8 to 24mm
- > For widths greater than 24mm, please contact your local Advantek sales representative
- > All Advantek carrier tape is manufactured in accordance with current EIA standards to ensure compatibility with tape and reel equipment



### Material Properties

| Property                     | Unit  | Setup             | Value                    | Standard     |
|------------------------------|-------|-------------------|--------------------------|--------------|
| Material Thickness           | mm    | -                 | I - 0.25mm<br>D - 0.30mm | -            |
| Gloss @ 60°                  | GU    | Shiny             | 20 - 80                  | ASTM D523    |
|                              |       | Matte             | 3 - 20                   |              |
| Surface Resistance           | Ohms  | Shiny             | 1.0E5 - 1.0E11           | STM 11.13    |
|                              |       | Matte             | 1.0E5 - 1.0E11           |              |
| Tensile Strength @ Break     | Psi   | Machine Direction | 1450 - 4500              | ASTM D882    |
| Elongation @ Break           | %     |                   | 50 - 110                 |              |
| Glass Transition Temperature | °C    | 10°C/min          | 110 - 120                | ASTM 3418    |
| Density                      | g/cm3 | -                 | 1.0 - 1.5                | ASTM D792    |
| Color                        | -     | -                 | Black                    | ADV Internal |
| Transmittance                | %     | -                 | -                        | ASTM D1003   |
| Haze                         | %     | -                 | -                        |              |

Note: Conditioned at 23 °C, 50% RH for 24 hours. Values presented are typical laboratory results and may be changed without notice.

### Shelf Life and Storage

Product should be used within 5 years of the date of manufacture. Store in its original packaging in a climate-controlled environment where temperature ranges from 21°C +/- 17°C (70°F +/- 30°F). Product is not affected by humidity. Allow to stabilize at room temperature prior to use.

### Camber

Meets current EIA-481 standard for camber that is not greater than 1 in 250 linear millimeters. For 8mm carrier tape in the level wind format, the camber will not be greater than 2 in 250 linear millimeters.

### Cover Tape Compatibility

| Type                | Heat Activated |     |     | Pressure Activated |
|---------------------|----------------|-----|-----|--------------------|
| Material            | HUG            | AD2 | HUE | PUC                |
| Polystyrene Tri-Lam | ✓              |     | ✓   | ✓                  |