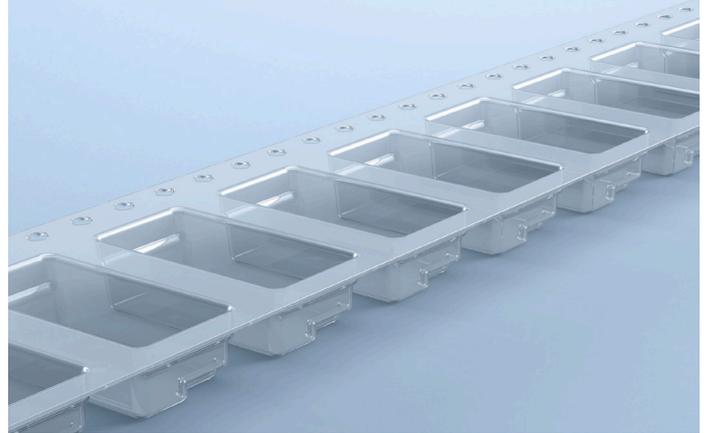


Polystyrene Clear Insulative S-Series



Advantek's S-Series clear insulative polystyrene carrier tape is designed for superior performance. Its insulative qualities make it ideal for packaging capacitors, mechanicals, and other passive devices. The material's high transparency enables easy in-pocket part inspection, while its uniform surface texture provides a consistently flat sealing area. This specially modified polystyrene offers exceptional strength and stability over time and temperature variations while maintaining flexibility.

- > Engineered to fit a wide range of tape sizes and pocket design features
- > Clear properties enable added benefits with visual inspection options
- > All Advantek carrier tape is manufactured in accordance with EIA standards to ensure compatibility with tape and reel equipment



Material Properties

| Property | Value | Test Method |
|-------------------------------|------------------------------------|---|
| Material Code - Thickness | S - 0.30mm | - |
| Specific Gravity | 1.05g/cc | JIS K 6911 |
| Elongation | 40% (MD) 30% (TD) | JIS K 6714 |
| Tensile Strength | 5400 psi, MD 4830 psi, TD | JIS K 6714 |
| Tensile Modulus of Elasticity | 256,000 psi, MD 242,000 psi, TD | JIS K 6734 |
| Hardness | 85 HRC | ASTM D785 |
| Surface Resistivity | >10E12 Ohms/Sq | ASTM D257 (Static Dissipative per EIA 541) |
| Color | Clear | - |

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 Type S carrier tape be used within one year 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

The Advantek Polycarbonate carrier tape 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 Clear Monolayer | ✓ | ✓ | ✓ | ✓ | ✓ | ✓ | | ✓ | ✓ | |