

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 current 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
Surface Resistivity	>10 ¹² Ohms/Square	ASTM D257
Hardness	85 HRC	ASTM D785
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 this clear monolayer PS carrier tape be used within two 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

This Advantek monolayer PS material 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 Clear Monolayer	✓	✓	✓	✓	✓	✓	✓	✓	✓