



Type PS3 Pressure Sensitive Antistatic Cover Tape

PS3 is an antistatic, transparent, pressure sensitive adhesive cover tape engineered to protect and fonfine surface mount components contained in our polystyrene carrier tapes.

- Meets EIA-481 bonding/peel-back force requirements
- Bonds to polystyrene carrier tapes
- Re-sealable
- Proven to work effectively with the following Carrier Tape materials: Types C,X,V & T Static Dissipative Polystyrene, Types J, K, L & O Homogenous Polystyrene

0.00092" Polyester Base Film
0.00050" Pressure Sensitive Acrylic Adhesive
0.00048" Antistatic Polyester Film

CONSTRUCTION

Type PS3 Cover Tape is constructed in three layers, a 0.00092" polyester base film covered by a 0.00050" pressure sensitive acrylic adhesive, with a 0.00048" antistatic polyester film on the device side.

CONFIGURATIONS

Type PS3 Cover Tape is provided splice-free on 3" inner diameter plastic cores.

Part Number	Tape Width (+/- 0.10)	Adhesive Width / Side	Roll Length (m)	Rolls Per Box
PS30055-300	5.5mm	0.75mm	300	50
PS30093-300	9.3mm	1.0mm	300	30
PS30133-300	13.3mm	1.0mm	300	15
PS30213-xxx	21.3mm	1.0mm	300 & 500	10
PS30255-xxx	25.5mm	1.5mm	300 & 500	10
PS30375-xxx	37.5mm	1.5mm	300 & 500	5
PS30495-xxx	49.5mm	1.5mm	300 & 500	5
PS30655-xxx	65.5mm	2.0mm	300 & 500	3
PS30815-xxx	81.5mm	2.0mm	300 & 500	3
PS30975-xxx	97.5mm	2.0mm	300 & 500	2

* Note: Part number for 21.3mm and wider is dependent on roll length; use 300 or 500 in place of "xxx".

SHELF LIFE AND STORAGE

Type PS3 Pressure Sensitive Antistatic Cover Tape has a shelf life of 24 months from the date of manufacture when kept in recommended conditions. Store this product in its original packaging in a climate-controlled environment where temperatures do not exceed 40°C (104°F) and relative humidity is under 80%. Exceeding these recommended storage conditions could result in inconsistent product performance.

Type APC Recommended Sealing Parameters

Application Method	Roller @ 2m/min
Temperature	Ambient
Pressure	40PSI
Humidity	Ambient



Type PS3 Pressure Sensitive Antistatic Cover Tape

Type PS3 Pressure Sensitive Antistatic Cover Tape Material Properties

¹ Tests performed under specific sealing conditions on formed polycarbonate tape

** Aging at 52°C and 95% PH increased adhesion to carrier by 80% Note: The values presented for this product are typical laboratory data and may be changed without notice.

Property	Typical Value	Test Method / Standard
Overall Thickness	0.0019" (0.048mm)	ASTM D-374
Initial Adhesion to Carrier **	45 +/- 15g ¹ (<5.5mm width) 60 +/- 20g ¹ (<21.3mm width) 85 +/- 25g ¹ (>25.5mm width)	EIA-481-B
Surface Resistivity	Adhesive side: <10 ¹² ≥10 ⁵ ohms/square Back side: non conductive	ASTM D-257
Minimum Strength Break	20 pounds/inch of width	ASTM D-882
Elongation	100% minimum	ASTM D-882
Overall Width Tolerance	+/- 0.10mm	Laser Micrometer
Adhesive Edge Tolerance	+/- 0.20mm	Laser Micrometer
Transparency	<20% Haze	ASTM D-1003
Colour	Transparent	N/A

Cover Tape Compatibility							
Material	AA	AHP	ABX	ATA	PS3	APC	AHPC
G (Polycarbonate)				X		X	X
C (Polystyrene)	X	X	X	X	X		