



EMBOSSSED CARRIER TAPES

Tri-Laminate PC Type B Carrier Tape



Advantek's Tri-Laminate Polycarbonate (PC) carrier tape is a specially modified static dissipative polycarbonate material, offering excellent strength and high precision formability. For high speed taping applications this material offers the same strength, protection and performance as homogeneous polycarbonate material, but at a lower cost. Additionally, for high precision applications requiring sharp pocket features and flat pocket bottoms, like bare die, this material provides superior formability and strength. Advantek's Tri-Laminate PC is available in a variety of thicknesses (0.20mm, 0.25mm and 0.30mm) depending upon your specific application's needs.

Tri-Laminate PC Carrier Tape Material Properties		
	Type B	Test Method
Standard Thickness	0.20, 0.25 and 0.30mm	
Specific Gravity	1.09	JIS K 7112
Tear Strength	187 M/mm (MD) 177 N/mm	JIS K 7128-3 Test speed 200mm/min
Elongation	> 35% (MD) > 25% (TD)	JIS K 7127
Tensile Strength (Yield)	51 MPa (MD/TD)	JIS K 7127
Vicat Softening	112°C	JIS K 7206
Surface Resistivity	<10 ¹² ≥ 10 ⁵ ohms/square	ASTM D-257 Static Dissipative per EIA 541

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's Tri-Laminate Polycarbonate (PC) carrier tapes be used within 5 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

The Advantek Tri-Laminate PC series meets the EIA-481-D standard for camber that is not greater than 1mm in 250 linear millimeters. For 8mm to 24mm carrier tape in the level wind format, the camber will not be greater than 2mm in 250 linear millimeters.

COVER TAPE COMPATIBILITY							
MATERIAL	AA	AHP	ABX	ATA	PS3	APC	AHPC
B Type Tri-Laminate (Polycarbonate)						X	X



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Embossed Carrier Tapes	SFT®	Complex Designs	Basic Designs	Interleaf Tapes		
Cover Tapes	Heat Activated		Pressure Sensitive			
Packaging Reels	Pro	Ultra	Lite	Trimline		
Barrier Bags	DRYLOK®		STATLOK®			
Bands	PROBAND®		LOKBAND®			
Humidity Indicator Cards	1 Spot	3 Spot	4 Spot	6 Spot		
Desiccant	1/3 Unit	1/2 Unit	1 Unit	2 Unit	4 Unit	8 Unit
Dicing Tapes	UV Cured		Non UV Cured			

Germany: +49-761-45546-0
 North America: +1-510-623-1877
 Philippines: +63-49-545-6350
 Singapore: +65-6759-6800
 China: +86-21-5048-4588
 Taiwan: +886-2-2290-1789
 Japan: +81-49-229-5100

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