

C-PAK TYPE CP99 COVER TAPE



Description :

C-PAK TYPE CP99 cover tape is a transparent and tinted polyester film with static dissipative properties on both sides and heat sealable over a wide range of temperatures, thus making it immensely suitable for carrier tapes made of polystyrene.

The adhesive system is specially developed for tight range in seal strength, as an addition to its stable seal strength.

Construction: 0.0254 mm Polyester film (Polyethylene Terephthalate)
 0.0254 mm Heat Activated Adhesive

GENERAL PROPERTIES (Typical value)

	<u>METHOD</u>	<u>VALUE</u>
Tensile Strength	ASTM D-882A	7.75 kg/ mm ²
Elongation	ASTM D-882	120 - 140%
Luminous Transmittance	ASTM D1003-95	93 %
Haze	ASTM D-1003	27 %
Surface Resistivity (Both sides S.R. measurement: 1.0E+9 to 9.9E+10 Ohms per sq)	ASTM D-257	≤ 10 ¹¹ Ohms/sq
Static Decay 5kv	EIA541	Less than 0.1 sec
Peel Strength Limit (<i>see recommended sealing parameters</i>)		55 +/- 25g
Base Material		POLYESTER

Dimensions:			
Width (mm)		5.3, 9.2, 13.3, 21.0, 21.3, 25.5, 37.5, 49.5, 65.5 and 81.5 (Other widths are available)	
Width Tolerance	For width	(5.3, 9.2, 13.3, 21.0, 21.3, 25.5, 37.5, 49.5)	± 0.1 mm
	For width	(65.5 and 81.5)	± 0.15 mm
Thickness		(0.050 ± 0.010)	0.040 to 0.060 mm
Length			300 m or 500 m

Standard Roll

CP99 is wound on a 3” plastic core in all standard widths. Splice free rolls are available in 300M lengths. Custom widths and lengths are available upon request.

Color : Transparent Pink Film *

(Slight variations which do not affect product performance are normal)

Shelf Life

Best if used within 24 months. Store at controlled room temperature environment 19°C to 40 °C (66°F to 104°F) and relative humidity of 50+/-30 %. Avoid excessive heat.

Recommended sealing temperature as follows (see Notes):

Number of sealing overlaps	Sealing Temperature °C
3x	145 to 160
4x	135 to 155
6x	130 to 150

Other Recommended Sealing Parameters (see Notes):

Sealing Shoe Width x length: 0.018” x 1.9” (0.457x 48mm)

Sealing time : 0.3 sec

Pressure: 30 psi

Sealing Mode: Reciprocating

Peel Test Speed during peeling: 300mm ± 10mm per minute

Angle of pull test: Between 165 to 180 degrees

Notes:

1. The recommended sealing parameters are based on embossed Cpak’s carrier tape material made of Polystyrene. The sealing parameters for other compatible carrier tape materials are available upon request.
2. Positioning the seal bead away from the slit edge of cover tape will keep adhesive from being forced out from the edge . Seal bead should remain away from the edge of tape to minimize potential breakage of the film. Use of a narrow seal width 0.45mm (18 mils) – 0.50 (20 mils), gives more control over the position in which the seal is placed relative to the carrier tape pocket, sprocket holes and slit edge of the cover tape.