

C-PAK TYPE CP24 COVER TAPE

C-PAK TYPE CP24 cover tape is a transparent polyester film with static dissipative properties on both sides and heat sealable over a wide range of temperatures, thus making it immensely suitable for different materials of carrier tape.

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-882	7.7 kg/ mm ²
Elongation	ASTM D-882	120 %
Luminous Transmittance	ASTM D1003-95	91 %
Haze	ASTM D1003-95	50 %
Surface Resistivity (both sides)	ASTM D-257	≤ 10 ¹¹ Ohms/sq.
Peel Strength Limit (see recommended sealing parameters)		55+/-25g
Width (mm)	5.3, 9.2, 13.3, 21.0,	25.5, 37.5, 49.5
Width Tolerance		± 0.1 mm
Thickness		0.048 to 0.058 mm
Length		300M
Base Material		Polyester

Standard Roll

CP24 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.

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	160 to 170
4x	155 to 170
6x	150 to 160

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.

Note:

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 (0.015" – 0.020") 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.