

## **C-PAK TYPE CP33A COVER TAPE**

C-PAK TYPE CP33A 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: 0.0233mm Polyester film (polyethylene terephthalate)  
0.03mm Heat activated adhesive

### **GENERAL PROPERTIES ( Typical value)**

	<u>METHOD</u>	<u>VALUE</u>
Break Strength	ASTM D-882	6.4 kg/ mm <sup>2</sup> 20 lbs/in.width
Elongation	ASTM D-882	100% min
Luminous Transmittance	ASTM D1003-95	90%+
Haze	ASTM D1003-95	40% max
Surface Resistivity ( Both sides SR Measurements : 1.0E+9 to 9.9E+10 ohms per sq)	ASTM D257	≤ 10 <sup>11</sup> Ohms/ sq.
Peel Strength Limit ( see recommended sealing parameters)		20g to 80g
Width (mm)	5.3, 5.4, 5.5, 9.2, 9.3, 9.5, 13.1,13.2,13.3,13.5, 21.0,21.3, 25.5, 26.0, 37.5, 49.5, 65.5, 81.5,113.5	
Width Tolerance		± 0.1 mm
Thickness		0.053 +/-0.005mm (0.048 – 0.058 mm)
Length		300M, 500M
Base Material		Polyester

#### Standard Roll

CP33A is wound on a 3" I.D. plastic core in all standard widths. Splice free rolls are available in 300M or 500M lengths. Custom widths and lengths are available upon request.

Color : Natural\*

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

#### Shelf Life

CP33A cover tapes should be stored at controlled environment. The optimum conditions defined below will yield a shelf life of 24 months from the manufacturing date found on the core label and ensure the maximum service life of the product .

Storage temperature : 27°C +/- 10°C  
Relative humidity : 50% RH +/-20 %.  
Avoid excessive heat.

Recommended sealing temperature as follows:

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

Other Recommended Sealing Parameters:

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 0.45mm (18mils) – 0.50 (20mils) 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.