

### C-PAK TYPE CP23D COVER TAPE

C-PAK TYPE CP23D 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: 0.0254mm Polyester film (polyethylene terephthalate)  
0.0254mm Heat activated adhesive

#### GENERAL PROPERTIES ( Typical value)

	<u>METHOD</u>	<u>VALUE</u>
Break Strength	ASTM D-882	6 kg/ mm <sup>2</sup>
Elongation	ASTM D-882	100% min
Luminous Transmittance	ASTM D1003-95	90%
Haze	ASTM D1003-95	75% Max
Surface Resistivity (both sides)	ASTM D257	≤ 10 <sup>11</sup> ohms/ sq
Peel Strength Limit (see recommended sealing parameters)		20g - 80g
Width (mm)	5.3, 9.3, 13.3, 21.0, 25.5, 37.5, 49.5	
Width Tolerance		± 0.1 mm
Thickness		0.051 to 0.061 mm
Length		300 m
Base Material		POLYESTER

Recommended sealing temperature as follows:

Number of sealing overlaps	Sealing Temperature °C
3x	170 to 185
4x	165 to 180
6x	160 to 180

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.

PACKAGING:

WIDTHS: Widths available to fit all standard carrier tapes.

SPLICE FREE LENGTHS: 300 Meters +6/-0  
500 Meters +10/-0

CORES: 3" I.D.

COLOR: Natural\*  
Slight variations which do not affect product performance are normal.

Storage:

CP23D cover tapes should be stored in a controlled environment . The optimum conditions defined below will yield a shelf life of two years from the date of manufacturing date found on the core label and ensure the maximum service life of the product.

Temperature: 27°C+/-10°C  
Humidity: 50% R.H. +/-20%

Aging Test:

Tested without component at 55°C/80% RH for 1000 hrs without problem.