

C-PAK TYPE CP36 COVER TAPE

C-PAK TYPE CP36 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: 0.016 mm Polyester film
 0.034 mm Inner Layer
 0.002 mm Sealant Hot Melt Layer

GENERAL PROPERTIES (Typical value)		
	<u>METHOD</u>	<u>VALUE</u>
Tensile Strength	JIS-K-7127	> 5.1 kg/ mm ²
Elongation	JIS-K-7127	> 75%
Luminous Transmittance	JIS -K-7105	89%
Haze	JIS -K-7105	30%
Surface Resistivity (both sides)	JIS-K-6911	≤ 10 ¹¹ ohms/ sq
Peel Strength Limit (see recommended sealing parameters)		20g to 60g (8mm carrier tape) 20g to 80g (Above 8mm carrier tape)
Width (mm)	5.3, 9.2, 13.3, 21.0, 25.5, 37.5, 49.5	
Width Tolerance		± 0.1 mm
Thickness		0.047 – 0.057 mm
Length		300 m
Base Material		Polyester

Standard Roll

CP36 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 18 months. Store at controlled room temperature environment, 25 ± 15°C and relative humidity of 40 - 70 %.

Recommended sealing temperature to achieve peel strength limits of 20g to 80gms (See Notes):

Number of sealing overlaps	Sealing Temperature °C
3x	155 to 200
4x	145 to 185
6x	140 to 175

Other Recommended Sealing Parameters:

Sealing Shoe Width x length: 0.018" x 1.9" (0.457 x 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 (0.015" – 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.