# C-PAK TYPE CP25 COVER TAPE

C-PAK TYPE CP25 cover tape is 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.

## GENERAL PROPERTIES (Typical value)

| | METHOD | VALUE |
|---|---|---|
| Tensile Strength | JIS-K-7127 | >5.0 kg/ $mm^2$ |
| Elongation | JIS-K-7127 | >75 % |
| Surface Resistivity (PET side)* | JIS-K-6911 | $\leq 9.9 \times 10^{11}$ ohms/ sq |
| Surface Resistivity (sealant side)* | JIS-K-6911 | $\leq 9.9 \times 10^{9}$ ohms/ sq |
| (*measurement environment: temperature 23±3°C, Humidity: 60±10% RH) | | |
| Adhesion to carrier tape | EIA 481 | 20 – 80 grams |
| Transparency | JIS-K-7105 | 87.8 % |
| Haze | JIS-K-7105 | 28% |
| Width (mm) | 5.3, 9.2, 13.3, 21.0, 25.5, 37.5, 49.5 | |
| Width Tolerance | | ± 0.1 mm |
| Thickness | | 0.041 to 0.055 mm |
| Length | | 300 m or 500m |
| Base Material | | POLYESTER |

Standard Roll
CP25 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 | 180 to 200 |
| 4x | 170 to 195 |
| 6x | 165 to 185 |

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.