

C-PAK TYPE CP38 COVER TAPE

C-PAK TYPE CP38 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)

| | <u>METHOD</u> | <u>VALUE</u> |
|---|---------------|--|
| Tensile Strength | JIS-K-7127 | 6.42 kg/mm ² |
| Elongation | JIS-K-7127 | 75 % |
| Luminous Transmittance | JIS-K-7105 | 85 % |
| Haze | JIS-K-7136 | ≤ 25 % |
| Surface Resistance | JIS-K-6911 | Top Side 10 ¹⁰ Ohms Adhesive Side 10 ⁷ Ohms |
| Surface Resistivity | | Top Side 10 ¹¹ Ohms/sq Adhesive Side 10 ⁸ ohms/sq |
| Peel Strength Limit (<i>see recommended sealing parameters</i>) | | 50+/- 30g (20g to 80g) |
| Base Material | | POLYESTER |
| Thickness | | 0.046 mm |
| Color (* Slight variations which do not affect product performance are normal) | | Natural |

Note: The values presented are typical laboratory data and maybe changed without notice.

Available widths

| Width sizes (mm) | | | | | | | | | |
|---|------------------|------------------|---------------------|------------|------|------|------|------|------|
| Carrier tape Width (per EIA 481) | 8 | 12 | 16 | 24 | 32 | 44 | 56 | 72 | 88 |
| Cover tape Width | 5.3, 5.4, 5.5 | 9.2, 9.3, 9.5 | 13.1, 13.3, 13.5 | 21.0, 21.3 | 25.5 | 37.5 | 49.5 | 65.5 | 81.5 |

Standard Roll

CP38 is wound on a 3" plastic core in all standard widths. Splice free rolls are available in 500m lengths. Custom widths and lengths are available upon request

Shelf Life

Best if used within 24 months. Store at controlled room temperature environment, $25 \pm 3^{\circ}\text{C}$ and relative humidity of $60 \pm 20\%$.

Recommended Sealing Parameters

Temperature: $145^{\circ}\text{C} - 195^{\circ}\text{C}$
 Sealing time: 0.3 sec.
 Pressure: 30 psi
 Sealing Mode: Reciprocating
 Sealing Shoe Width x length: 0.457x 48mm (0.018" x 1.9")
 Taping machine: Systemation MT-30

Temperature: $145^{\circ}\text{C} - 185^{\circ}\text{C}$
 Sealing time: 80msec.
 Pressure: 2.5bar
 Sealing Mode: Reciprocating
 Sealing Shoe Width x length: 0.4x 32mm
 Taping machine: Ismeca NT16

Peel Test Speed during peeling: 300mm \pm 10mm per minute
 Angle of pull test: Between 165 to 180 degrees.

Notes:

- 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.
- 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 (0.40 – 0.50mm) 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.
- Surface Resistance / Resistivity is measured at $23 \pm 3^{\circ}\text{C}$, $60 \pm 10\%$ RH.

Top resistance specifications: $1\text{E}+4$ to $9.9\text{E}+10$ ohms (1×10^4 to 9.9×10^{10} Ohms)
 Top resistivity specifications: $1\text{E}+5$ to $9.9\text{E}+11$ ohms/sq (1×10^5 to 9.9×10^{11} Ohms/sq)

Adhesive resistance specifications: $1\text{E}+4$ to $9.9\text{E}+8$ ohms (1×10^4 to 9.9×10^8 Ohms)
 Adhesive resistivity specifications: $1\text{E}+5$ to $9.9\text{E}+9$ ohms/sq (1×10^5 to 9.9×10^9 Ohms/sq)

Equipment used for measurement: Resistance/Resistivity Meter(Monroe/Prostat/Equivalent)

Important Notice

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