

**General Description:**

This polyimide masking tape is a high-performance masking solution, particularly recommended for use in printed circuit board applications. This tape is characterized by its excellent high-temperature resistance and ability to withstand solder fluxes, molten solder, and cleaning solvents. It removes cleanly without leaving adhesive and a permanent acrylic adhesive for durable performance.



**PRODUCT SPECIFICATIONS:**

**Print Technology:** None

**Material Type:** Polyimide

**Finish:** Gloss

**Adhesive:** Removable Silicone

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**APPLICATIONS:** The tape is designed as a high-temperature mask suitable for printed circuit board applications, offering reliable performance under various manufacturing processes.

**PHYSICAL PROPERTIES:**

- **Adhesion to:**
  - **Stainless Steel:** 13 oz/in (14 N/100 mm)
  - **Epoxy PC Board:** 13 oz/in (14 N/100 mm)
- **Thickness:**
  - **Film:** 0.0010 inch (0.025 mm)
  - **Adhesive:** 0.0015 inch (0.038 mm)
  - **Total (excluding liner):** 0.0025 inch (0.063 mm)
- **Tack:** 18 oz (515 g)
- **Tensile Strength and Elongation:** 31 lbs/in (543 N/100 mm), 58%
- **Dielectric Strength:** 6500 volts

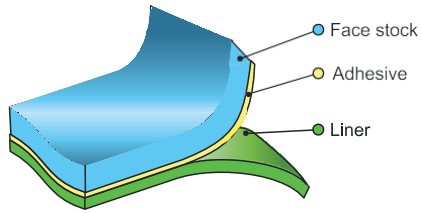
**PERFORMANCE PROPERTIES:**

- **Short Term High Service Temperature:** No visible effect after 10 minutes at 464°F (240°C)
- **Long Term High Service Temperature:** No visible effect after 30 days at 320°F (160°C)
- **Wave Solder Simulation:** No visible effect after 10 seconds in molten solder at 518°F (270°C)



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## POLYIMIDE MASKING TAPE



**CHEMICAL RESISTANCE:** The tape was tested against various chemicals, showing no visible effect or clean removal without adhesive residue in most cases.



**SHELF LIFE:** Two years from the date of receipt when stored in original packaging at or below 80°F (27°C) and 60% RH.