

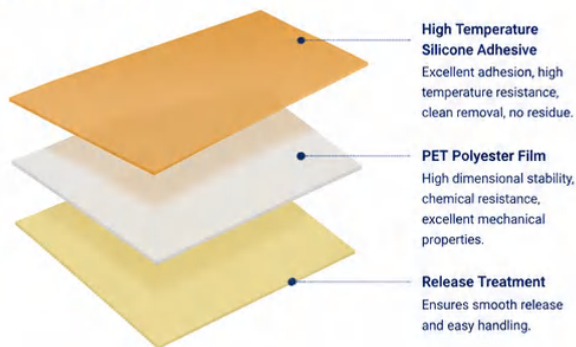


SMT REFLOW HIGH TEMPERATURE PET MASKING FILM

High Performance Masking Solution for SMT, Reflow Soldering and Precision Electronic Manufacturing



STRUCTURE



- High Temperature Silicone Adhesive**
Excellent adhesion, high temperature resistance, clean removal, no residue.
- PET Polyester Film**
High dimensional stability, chemical resistance, excellent mechanical properties.
- Release Treatment**
Ensures smooth release and easy handling.

KEY FEATURES

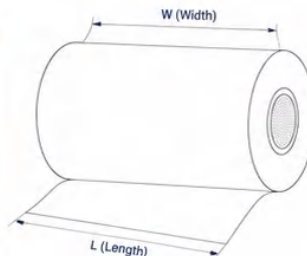
- High Temperature Resistance**
Withstands reflow soldering up to 260°C (short term)
- SMT Reflow Compatible**
Ideal for SMT, reflow soldering and wave soldering processes
- No Residue**
Clean removal without adhesive residue or surface contamination
- Chemical Resistance**
Resistant to solder paste, flux, solvents and chemicals
- Precision Masking**
Excellent dimensional stability for accurate and sharp masking
- RoHS Compliant**
Halogen-free and RoHS compliant, eco-friendly and safe.

TECHNICAL SPECIFICATIONS

PROPERTY	TYPICAL VALUE
Total Thickness (PET + Adhesive)	25µm / 36µm / 50µm / 75µm / 100µm (±10%)
PET Substrate Thickness	12µm / 25µm / 36µm / 50µm / 75µm (±10%)
Adhesive Thickness	13µm / 16µm / 20µm / 25µm (±5µm)
Adhesive Type	High Temperature Silicone Adhesive
Color	Amber (Translucent)
Temperature Resistance	-40°C ~ 150°C (Long Term) Up to 260°C (Short Term Reflow)
Adhesion to Steel	2.5 ~ 4.5 N/25mm
Tensile Strength	≥ 150 MPa
Elongation at Break	≥ 120%
Dielectric Strength	≥ 120 kV/mm
Surface Resistance	≥ 10 ¹⁵ Ω/sq
Volume Resistance	≥ 10 ¹⁶ Ω-cm
Chemical Resistance	Excellent
RoHS / Halogen	Compliant / Halogen-Free

STANDARD SIZES

ITEM	STANDARD
Roll Width	5mm ~ 520mm (Standard) Custom widths available
Roll Length	50m / 100m / 200m / 500m / 1000m (Custom)
Core Size	3 inch (76mm) / 6 inch (152mm)
Slitting Tolerance	±0.5mm
Length Tolerance	±0.5%
Jumbo Roll Length	Up to 5000m



DIMENSIONAL DRAWING (mm)



TYPICAL APPLICATIONS



STORAGE CONDITIONS

- Temperature: 10°C ~ 30°C
- Relative Humidity: 40% ~ 70%
- Keep away from direct sunlight and moisture.