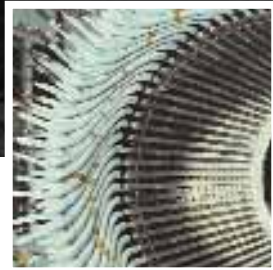


# POLYIMIDE TAPES



## POLYIMIDE TAPE

---

- Excellent electrical insulation (class 180)
- Thin and conformable
- Outstanding tear resistance at elevated temperatures
- Silicone adhesive leaves little residue
- Impact and abrasion resistant

## TYPICAL APPLICATIONS

---

### ■ CIRCUIT BOARD ASSEMBLY

**Benefits:** Polyimide tape is used to mask off gold fingers during the wave soldering process of circuit board assembly. It has a silicone adhesive that leaves little residue.

### ■ PLATING MASK (Hard Chrome and Nickel)

**Benefits:** Polyimide tape can be used as a protective mask in plating applications similar to where parts are dipped into metals. It is easily conformed to the parts, withstands high temperatures, and removes cleanly.

### ■ COIL WINDING IN TRANSFORMERS

**Benefits:** Polyimide tape can be used as a protective mask in plating applications. It easily conforms to the parts, withstands high temperatures, and removes cleanly.

## 2345 FILM – POLYIMIDE

### OVERVIEW

Curbell Specialty Products 2345 is manufactured from a Polyimide backing material with a high-temperature silicone pressure sensitive adhesive.

### APPLICATIONS

- Applications that require holding, insulating, or wrapping
- Gold finger protection during wave soldering

### FEATURES

- Excellent mechanical and electrical properties
- Outstanding resistance to cut-through
- Impact resistant
- Abrasion resistant
- Excellent dielectric strength

## PERFORMANCE

PROPERTY	UNITS	2345-1	2345-2	2345-5
Backing Material		Film-Polyimide	Film-Polyimide	Film-Polyimide
Adhesive Type		Silicone	Silicone	Silicone
Total Thickness	inches	.0025	.0035	.0065
Backing Thickness	inches	.0010	.0020	.0050
Adhesive Thickness	inches	.0015	.0015	.0015
Adhesion to Steel	oz/inch	25	25	25
Elongation	% at break	50	75	75
Operating Temperature	°F	-100°-500°	-100°-500°	-100°-500°
Break Strength	lbs/in	30	50	150
Dielectric Strength	volts	6500	10000	17000
Color		Amber	Amber	Amber

\* Values shown are typical