

Tape 8258 Polyimide Adhesive Tape

UL Listed: E 244657 ■ Cross Ref: 3M (5413), Furon (K250), Permacel (P-221)



Features & Benefits

- ◆ Thin & conformable — masks uneven surfaces with ease
- ◆ Wide operating temperature range up to 260°C (500°F)
- ◆ Excellent electrical insulation properties
- ◆ Silicone adhesive — removes cleanly with no residue
- ◆ UL Listed (E 244657) for Class H insulation applications
- ◆ Ideal for PCB gold finger protection during wave soldering
- ◆ **Cross References:** 3M (5413) — Furon (K250) — Permacel (P-221)

Description

Tape 8258 consists of a **polyimide film with silicone adhesive**, designed for high-temperature masking applications including the protection of printed circuit board gold finger contacts during wave soldering. It meets the requirements for electrical insulation applications in **Class H** (180°C) environments.

The tape is **thin and conformable**, allowing it to conform closely to uneven surfaces for reliable masking. Its silicone adhesive system ensures the tape **removes cleanly** after exposure to heat and chemicals, leaving no adhesive residue on sensitive components.

Application ideas: PCB gold finger protection during wave/dip soldering — release surface for elevated-temperature curing — electrical insulation on transformers, motors, coils and PCB assemblies.

Technical Specifications

Property	Value	Property	Value
Color	Amber	Dielectric Strength	6,500 volts
Adhesion Type	Silicone	Insulation Resistance	1,000,000 mega ohms
Backing Thickness	1 mil	Electrolytic Corrosion Factor	1
Total Tape Thickness	2.5 mils	Insulation Class	180°C (Class H)
Adhesion to Steel	25 oz/inch	Temperature Resistance	260°C (500°F)
Tensile Strength	30 lbs/inch	Chemical Resistance	Excellent — acids, oils, solvents
Elongation	>55%		