

# TECHNICAL DATA

## POLYIMIDE FILM TAPE

### Halogen-Free

**Product Code: 1K220**

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UL File #E126174

HALOGEN  
FREE

**Description:** 1K220 Products use our proprietary Halogen-free is a 0.025mm thick Polyimide film coated with Silicone based thermosetting pressure sensitive adhesive with UL temperature rated 220C approval. The polyimide film provides excellent electrical insulation, abrasion resistance and high dielectric strength, high temperature retention of physical and electrical properties.

**Application:** For use in high performance electrical applications, used on high-temperature insulation in transformers, coils, flat cables, connectors, harness wrapping and in the production of generators, capacitors etc. also be used for gold finger masking on PC boards during wave soldering process and during hot air level. It is used as insulation material of class R.

COLOR	-	amber
TOTAL THICKNESS	mm	0.063 ± 0.006
TENSILE STRENGTH	kg/25mm	11
ELONGATION	%	50
ADHESION TO STEEL	kg/25mm	0.5
UNWIND FORCE	kg/25mm	0.7
DIELECTRIC BREAKDOWN	kV	6
INSULATION RESISTANCE	ohm	1x10 <sup>12</sup>
TEMPERATURE RATED	°C	220
CORROSION FACTOR	-	1.0

**Test Method:** In accordance with ASTM D-1000 method

**Shelf Life:** 6 months when storage at 73F and 65% relative humidity

**Availability:** Standard 33M roll, 3" core, width 500 mm

### Important Notice to Purchase

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