

# TECHNICAL DATA

## POLYIMIDE FILM TAPE

**Product Code: 1K125**

*P. Leo & Co (B. C.) Ltd.*

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**UL File No. E126174**

**Description:** 1K125 is a 0.0125mm thick Polyimide film coated with Silicone based thermosetting pressure sensitive adhesive. Outstanding, high temperature retention of physical and electrical properties. This product complies with the flame Retardant requirements of UL 510.

**Application:** For use in high performance electrical applications, used on high-temperature coils, such as in traction machine manufacturing, in the production of generators, capacitors transformers etc. May also be used for masking off gold contacts 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      |       | 0.04 ± 0.003       |
| TENSILE STRENGTH      | kg/25mm |       | 5                  |
| ELONGATION            | %       |       | 50                 |
| ADHESION TO STEEL     | kg/25mm |       | 0.3                |
| UNWIND FORCE          | kg/25mm |       | 0.8                |
| 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 33 M roll, 3" core, width 500 mm

### **Important Notice to Purchase**

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