

Kapton® Hi-Temperature Polyimide Tape

Shercon's Kapton® Polyimide Tape is a high temperature film tape used for electrical and thermal insulation. It is also used to mask the gold fingers on circuit boards during wave soldering and hot air leveling process. It is designed for use on products like generators, capacitors, and transformers, at a high temperature. The silicone adhesive means that the tape has excellent release properties.

The maximum temperature for this tape is 500°F (260°C). It should be stored in dry conditions at an ambient temperature range of 55°F to 85°F (13°C to 30°C).



PRODUCT SPECIFICATIONS

| Properties | Test Method | Values |
|------------------------|-------------|------------------------------------|
| Adhesive | | Silicone |
| Carrier/Film | | Polyimide Film |
| Carrier/Film Thickness | ASTM D 1000 | 1 mil (.025mm) |
| Total Thickness | ASTM D 1000 | 2.2 mil (.055mm) |
| Temperature Resistance | | -100° - 500°F (-73° - 260°C) |
| Adhesion to Steel | ASTM D 1000 | 4.4 N/25mm (450g/25mm) (15.7oz/in) |
| Tensile Strength | ASTM D 1000 | 88 N/25mm (9g/25mm) (20oz/in) |
| Elongation | ASTM D 1000 | 35% |
| Dielectric Strength | ASTM D 149 | 5.0 kV |
| Class of Insulation | UL 510 | UL H/200 |
| Color | | Amber |



PRODUCTS

| Part No. | Roll Width | Roll Length | Core Size | Core Type |
|-------------------------|------------|---------------------|-----------|-----------|
| 22-0250 | 1/4" | 36 yards (108 feet) | 3" | Plastic |
| 22-0500 | 1/2" | 36 yards (108 feet) | 3" | Plastic |
| 22-1250 | 1-1/4" | 36 yards (108 feet) | 3" | Plastic |
| 22-1500 | 1-1/2" | 36 yards (108 feet) | 3" | Plastic |
| 22-2500 | 2-1/2" | 36 yards (108 feet) | 3" | Plastic |

The values shown above were taken from random samples from material we believe to be typical for the product; however, actual values may vary somewhat from those listed above. All-Spec Industries makes no warranty, expressed or implied, as to the suitability of these materials for any specific use. Customers should determine product suitability based upon their own initial criteria and testing.

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