

H.50

KAPTON® POLYIMIDE FILM TAPE

General Description

50 micron Kapton® polyimide film coated on one side with high quality pressure sensitive silicone adhesive and protected by a white embossed PVC liner. Intended for high temperature electrical applications where outstanding dielectrical and mechanical properties are required. Nuclear radiations resistant.

Features

- Very high temperature resistance
- Flame retardant UL 510
- Good chemical and solvent resistance

Applications

- Insulation of bobbins, transformers, motors, capacitors, wire harnesses
- Printed circuit board assembly

Technical Data

Property	Value
Product Type	Single coated
Backing Type	Kapton film
Adhesive Type	Silicone
Color	Brown
Backing Thickness	50 µm
Total Thickness	85 µm
Peel Adhesion at 180° On Steel	2.50 N/cm
Tensile Strength	75.00 N/cm
Rolling Ball Tack	< 10 cm
Elongation at Break	35%
Breakdown Voltage	10.00 kV
Thermal Class	180 (H)
Short Time Temperature Resistance	260 °C
Flame Retardancy	Yes (UL 510)
Electrolytic Corrosion	1
Shelf Life	12 months
Standard Length	33 m
Standard Width	660 mm



* International harmonized test methods: ASTM D-1000, PSTC, EN 60454-2.

All statements and information listed above regarding this product are typical values for general guidance, these data have not to be intended as conformity specification. These suggestions are based on tests we believe reliable, but are not guaranteed for accuracy and completeness. The user must test, evaluate and validate this product before the use, assuming risks and liability of such use. This document may be revised without prior notice. Suggested storage temperature is between 10°C and 30°C with 50% relative humidity.

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