

Technical Product Data Sheet

Saint-Gobain / h-old® H50



Saint-Gobain / h-old® H50 is a Kapton® polyimide film coated on one side with high quality pressure sensitive silicone adhesive. Designed for high temperature electrical applications where outstanding dielectrical and mechanical properties are required. NuClear (00) radiations resistant. Flame retardant UL 510.

Nominal Values

Backing Kapton® Film, Polyimide Film

Backing Thickness 0,050 mm

Adhesive Type | Silicone

Total Thickness 0,085 mm

Insulation Class H 180°C (DIN EN 60085, OANZ2 & OANZ8)

Color Brown (79)

Adhesion to Steel 6,25 N/25 mm

Tensile Strength 187,50 N/25 mm

Elongation at Break 35%

Dielectric Strength | 10000 V

Electrolytic Corrosion 1

Rolling Ball Tack < 10 cm

Temperature Resistance +260°C, (short-term)

UL-File # | E178430

Length 33 m, other lengths upon request

Width 6 mm, 9 mm, 12 mm, 15 mm, 19 mm, 25 mm, 30 mm, 38 mm, 50 mm, 660

mm, other widths upon request

Storage Life The material can be stored at room temperature for at least 12 months.

Effective 29 March 2021















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Applications

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

Benefits

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

Storage Conditions

The Rolls should be stored in their packaging protected from light and at a temperature between 15°C to 24°C, with a relative humidity of 50% +/- 30%. When using an adhesive tape stored below 15°C, it is advisable to keep the tape at room temperature for 24 hours to preserve its characteristics.

Print Date: 06.11.2025





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We provide the technical data of our products to the best of our knowledge, but without obligation. Due to the wide range of material and environmental influences, we recommend a suitability test on original products prior to use. Please also note the







