



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

Manufacturer	Saint-Gobain / h-old®
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%
Breakdown Voltage	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.

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