

## 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

|                               |  |
|-------------------------------|--|
| <b>Backing</b>                | Kapton® Film, Polyimide Film   |
| <b>Backing Thickness</b>      | 0,050 mm   |
| <b>Adhesive Type</b>          | Silicone   |
| <b>Total Thickness</b>        | 0,085 mm   |
| <b>Insulation Class</b>       | H 180°C (DIN EN 60085, OANZ2 & OANZ8)  |
| <b>Color</b>                  | Brown (79)   |
| <b>Adhesion to Steel</b>      | 6,25 N/25 mm   |
| <b>Tensile Strength</b>       | 187,50 N/25 mm   |
| <b>Elongation at Break</b>    | 35%  |
| <b>Dielectric Strength</b>    | 10000 V  |
| <b>Electrolytic Corrosion</b> | 1  |
| <b>Rolling Ball Tack</b>      | < 10 cm  |
| <b>Temperature Resistance</b> | +260°C, (short-term)   |
| <b>UL-File #</b>              | E178430  |
| <b>Length</b>                 | 33 m, other lengths upon request   |
| <b>Width</b>                  | 6 mm, 9 mm, 12 mm, 15 mm, 19 mm, 25 mm, 30 mm, 38 mm, 50 mm, 660 mm, other widths upon request |
| <b>Storage Life</b>           | The material can be stored at room temperature for at least 12 months.                         |
| <b>Effective</b>              | 29 March 2021  |

## Saint-Gobain / h-old® H50



### 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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