

# **Technical Product Data Sheet**

## Saint-Gobain / h-old® TF50



Saint-Gobain / h-old® TF50 is a PTFE (polytetrafluoroethylene) film coated with a high-temperature silicone adhesive system. Designed for high temperature insulation, release wrap on rollers in numerous indutries, cure process of composites materials and all applications where a low-friction, anti-stick and non-toxic properties are required. Flame retardant (UL 510)

## **Nominal Values**

**Backing** PTFE Film

**Backing Thickness** 0,050 mm

**Adhesive Type** | Silicone

**Total Thickness** 0,100 mm

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

Color Brown (79)

**Adhesion to Steel** 7,50 N/25 mm

**Tensile Strength** 100,00 N/25 mm

**Elongation at Break** 100%

**Dielectric Strength** 9000 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, 580

mm, other widths upon request

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

**Effective** 29 March 2021



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 standard processing guidelines for adhesive tapes, which we will gladly send you upon request.











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### **Applications**

- Motor & transformer manufacturers
- Automotive, aerospace, composites materials, etc

#### **Benefits**

- Oustanding temperature resistance
- Good chemical resistance
- Low-friction and anti-stick surface

#### **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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