



Saint-Gobain / h-old® R180

Saint-Gobain / h-old® R180 is a PET Film/Paper laminate coated on one side with with a thermosetting rubber adhesive system. Designed for use in holding and insulation applications during transformer and motor manufacturing.

Nominal Values

Manufacturer	Saint-Gobain / h-old®
Backing	PET Laminate, PET Film / Paper
Backing Thickness	0,160 mm
Adhesive Type	Natural Rubber, thermosetting
Total Thickness	0,220 mm
Insulation Class	B 130°C (DIN EN 60085, OANZ2 & OANZ8)
Color	White (08)
Adhesion to Steel	16,25 N/25 mm
Tensile Strength	175,00 N/25 mm
Elongation at Break	20%
Breakdown Voltage	8000 V
Electrolytic Corrosion	1
Rolling Ball Tack	< 10 cm
Temperature Resistance	+160°C, (short-term)
UL-File #	E178430
Length	50 m, other lengths upon request
Width	6 mm, 9 mm, 12 mm, 15 mm, 19 mm, 25 mm, 30 mm, 38 mm, 50 mm, 1210 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

- Holding and insulation applications during transformer and motor manufacturing
- Ground and barrier insulation for electrical motors, generators, etc.
- Outer wrapping, tabbing, harnessing and anchoring leads for electrical transformers, coils, etc.

Benefits

- Good adhesion and excellent tensile strength
- Very high breakdown voltage
- Good chemical and solvent resistance when thermoset

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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