

# PS.249

## POLYESTER FILM/GLASS FILAMENT ELECTRICAL INSULATING TAPE

### General Description

85 micron glass filament reinforced polyester film coated on one side with a high quality acrylic adhesive system. Intended for holding applications where a high tensile strength combined with a good thermal and chemical resistance is required. Specifically engineered for oil filled transformers.

### Features

- Good thermal resistance and tensile strength
- Outstanding resistance to solvents, oils and chemicals

### Applications

- Outer wrapping, and anchoring leads of electrical transformers, coils, etc.
- Designed for oil filled transformers

### Technical Data

Property	Value
Product Type	Single coated
Backing Type	PET film / Glass Fibre
Adhesive Type	Pure acrylic
Color	Clear
Backing Thickness	0,085 mm
Total Thickness	0,16 mm
Peel Adhesion at 90° On Steel	4.00 N/cm
Tensile Strength	380.00 N/cm
Rolling Ball Tack	< 10 cm
Static Shear	168 hrs
Elongation at Break	5%
Breakdown Voltage	5.00 kV
Thermal Class	155 (F)
Short Time Temperature Resistance	180 °C
Electrolytic Corrosion	1
Shelf Life	12 months
Standard Length	50 m
Standard Width	1000 mm



• International harmonized test methods: ASTM D-1000, PSTC, EN 60454-2.

All statements and information listed above regarding this product are typical values for general guidance, these data have not to be intended as conformity specification. These suggestions are based on tests we believe reliable, but are not guaranteed for accuracy and completeness. The user must test, evaluate and validate this product before the use, assuming risks and liability of such use. This document may be revised without prior notice. Suggested storage temperature is between 10°C and 30°C with 50% relative humidity.

**IMPORTANT:** It is the user's responsibility to ensure the suitability and safety of Saint-Gobain products for all intended uses and that the materials to be used comply with all applicable regulatory requirements. Saint-Gobain assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

**WARRANTY:** For a period of 12 months, Saint-Gobain warrants this product(s) to be free from defects in manufacturing. The only obligation under any applicable product warranty will be to replace any portion proving defective, or at our option, to refund the purchase price thereof. SAINT-GOBAIN DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Form #1840EU | © Saint-Gobain February 2025 | All the mentioned trademarks are registered trademarks of Saint-Gobain.



#### TAPE SOLUTIONS

North America | South America  
Europe | Asia

For more information, please visit  
[tapesolutions.saint-gobain.com](http://tapesolutions.saint-gobain.com)