



FLUOROWRAP®

E124

Engineered for High Performance Insulation

Sintered Extruded PTFE Film

FLUOROWRAP® E124 Sintered Extruded PTFE Film is a high modulus PTFE film manufactured by extrusion and sintering processes. The physical properties of sintered extruded PTFE film exceed the physical properties of skived PTFE films.

Features/Benefits

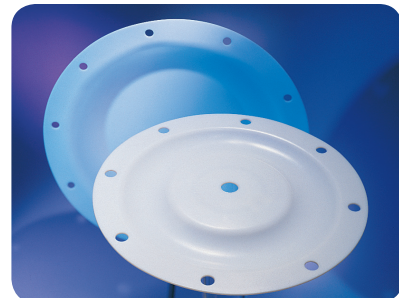
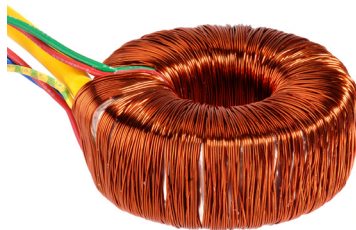
- High dielectric strength
- High chemical resistance
- Low moisture absorption
- Resistance to permeability
- High temperature insulation
- High modulus
- Operating temperature range -100°F (-73°C) to +500°F (260°C)
- RoHS and REACH compliant

Availability

FLUOROWRAP® E124 is available in natural as a standard product and in white and colors with minimum order requirements. FLUOROWRAP® E124 is supplied on industry standard 3" (76 mm) ID cores. Approximate full width is 9" (229 mm). Customized solutions available.

Applications

- High temperature wire and cable
- Coil winding
- Gaskets
- Diaphragms



FLUOROWRAP® E124 Properties

Performance tests are run using standard test procedures.

The values presented are typical values and should not be used for specification purposes.

Property	English Units	Metric Units	English Units	Metric Units	English Units	Metric Units	English Units	Metric Units	English Units	Metric Units
Thickness	2.0 mil	0.051 mm	3.0 mil	0.076 mm	4.0 mil	0.102 mm	5.0 mil	0.127 mm	10.0 mil	0.254 mm
Density	2.17 g/cm ³									
Tensile Strength MD (minimum)	5,500 psi	38 MPa	6,000 psi	41 MPa	7,500 psi	52 MPa	6,000 psi	41 MPa	5,500 psi	38 MPa
Elongation MD (minimum)	150 %		250 %		300 %		300 %		300 %	
Dielectric Strength	6,000 total volts		8,000 total volts		9,000 total volts		11,000 total volts		15,000 total volts	
Approximate Yield	43.5 ft ² /lb	8.9 m ² /kg	29.0 ft ² /lb	5.9 m ² /kg	21.7 ft ² /lb	4.4 m ² /kg	17.4 ft ² /lb	3.6 m ² /kg	8.7 ft ² /lb	1.8 m ² /kg

FLUOROWRAP® is a registered trademark.



Saint-Gobain

AMERICAS

Tel: (800) 962-2666
(518) 686-7301

EUROPE

Tel: +44 (0) 1706-746900

ASIA

Tel: (886) 2-2503-4201

www.films.saint-gobain.com

AMERICAS: 14 McCaffrey Street, Hoosick Falls, NY 12090, USA

EUROPE: Bay 3 Transpennine Industrial Estate, Gorrels Way, Rochdale, OL11 2PX, UK

ASIA: Room 302,3F-1, 147 Jianguo North Road, Section 2, Taipei, Taiwan, 104

The data and details in this document were correct and up-to-date at the time of printing and are intended to provide information on our products and their possible applications. It is the user's responsibility to obtain the latest version of the product data sheet. This data sheet is not a specification and does not assure specific product characteristics or make reference to the suitability of the product for a specific application. Because Saint-Gobain cannot anticipate or control every application, we strongly recommend testing of this product under individual application conditions. The application, use and conversion of this product are the user's responsibility.

Limited Warranty: For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics warrants this product(s) to be free from defects in manufacturing. Our only obligation will be to provide replacement product for any portion proving defective, or at our option, to refund the purchase price thereof. User assumes all other risks, if any, including the risk of injury, loss or damage, whether direct or consequential, arising out of the use, misuse or inability to use this product(s).

SAINT-GOBAIN PERFORMANCE PLASTICS DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

NOTE: Saint-Gobain Performance Plastics Corporation does not assume any responsibility or liability for any advice furnished by it, or for the performance or results of any installation or use of the product(s) or of any final product into which the product(s) may be incorporated by the purchaser and/or user. The purchaser and/or user should perform their own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.

©2017 Saint-Gobain Performance Plastics