

# 234A-01

## FILM-POLYIMIDE 1 MIL

Saint-Gobain Performance Plastics 234A-01 is manufactured from 1.0 mil thick Polyimide backing material.

### Typical Properties

Product	234A-01
Total Thickness (+/- 7%) (in.)	.0010
Break Strength (lbs./in.)	30
Elongation (% at break)	90
Dielectric Strength (volts)	7100
Surface Resistivity (ohm)	$> 1.0 \times 10^{13}$
Volume Resistivity (ohm.cm)	$> 1.0 \times 10^{15}$
Dielectric Constant ( $10^6$ H)	3-4
Dielectric Tangent ( $10^6$ H)	$< 1.0 \times 10^{-3}$
Operating Temperature (°C)	-269 to 400
Flammability Rating (UL-94)	V-0
Color	Amber

Values shown are typical. Certified test reports for writing specifications are available.

### Applications

Polyimide films has a very diverse range of applications and meets many general requirements of different industries. However, its unique characteristics of high temperature tolerance, high tensile strength, high wear resistance, dielectric strength, anti-corrosive and flame retardancy make it ideal it some of the most rigorous applications including all aspects of electrical insulation and consumer electronics.

### Features/Benefits

Polyimide film offers excellent dimensional stability combined with excellent chemical resistance. This product has excellent mechanical capability, favorable electric insulation, radiation hardening and good dielectric at temperatures as low as -269°C (-452.2°C) and as high as +260°C (+492°C).

Polyimide film has the highest UL-94 flammability rating of V-0.

### Availability

Factory stock for 234A-01 is in jumbo roll form at 40 inches wide. Rolls can be slit 1/4" wide to 40 inches wide in either flat pad, universal wound or step pack form.

Saint-Gobain Performance Plastics Corporation  
14 McCaffrey Street  
Hoosick Falls, NY 12090  
Customer Service: (800) 962-2666  
Tel: (518) 686-7301  
Fax: (800) 526-8479, (518) 686-4840

[www.fff.saint-gobain.com](http://www.fff.saint-gobain.com)

**Limited Warranty:** For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation 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 its own tests to determine the suitability and fitness of the product(s) for the particular purpose desired in any given situation.

©2005 Saint-Gobain Performance Plastics Corporation  
AFF-1408-PDF-0105-SGCS