

# UV-1000 Protection

## HIGHLY TRANSPARENT PROTECTION FOR UV-C LAMPS & QUARTZ TUBES

Saint-Gobain's highly transparent UV-1000 protects UV-C lamps and quartz tubes in water treatment, air disinfection, and organic produce treatment applications. Depending on the product wall thickness, UV-1000 has up to 5% higher UVC transmission at 254nm (germicidal peak for low pressure mercury vapor tubes) compared to standard FEP heat shrink tubing. This results in increased efficiency of disinfection systems.

The fluoropolymer construction of Saint-Gobain's UV-1000 makes it highly resistant to aggressive cleaners and chemicals.

In addition, fouling or scaling due to mineral deposits is significantly reduced when in contact with water, lessening cleaning frequency and increasing operational uptime.

### Multiple Options Available

Saint-Gobain's UV-1000 may either be purchased as heat shrink tubing or directly applied over lamps and quartz tubes.



### Features and Benefits

- Up to 5% higher UV transmittance than standard FEP
- Recommended Operating Temperature up to 500°F (260°C)

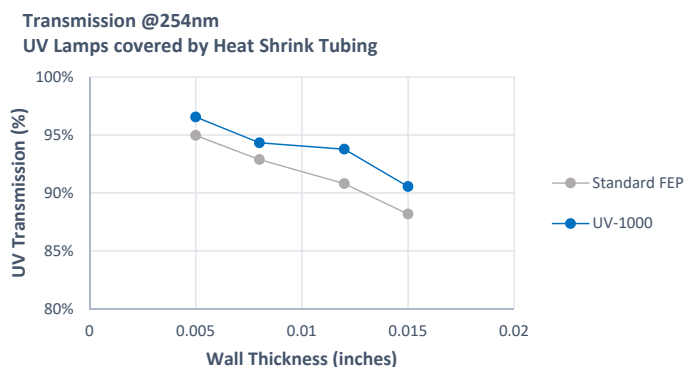
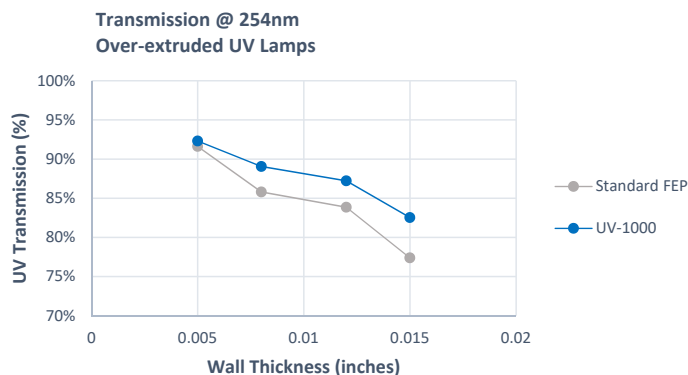
### Typical Applications

- Wastewater treatment
- Potable water treatment
- Air and surface disinfection
- Organic produce treatment



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## UV Transmission



## Typical Physical Properties

Property	ASTM Method	Value or Rating
Durometer Hardness (Shore A), 15 sec	D2240	55-60
Color	—	Transparent
Yield Stress, psi*	D638	>1500
Yield Strain, %*	D638	>14.5
Ultimate Stress, psi*	D638	>2975
Ultimate Strain, %*	D638	>220
Flame Rating	UL94	V0
Water Absorption, % 24hrs at 73°F	D570	<0.03
Maximum Recommended Operating Temperature, °F (°C)	-	500 (260)

\*Unless otherwise noted, all tests were conducted at room temperature (73°F). Values shown were determined on 0.075" thick extruded strip or 0.075" thick molded ASTM plaques or molded ASTM durometer buttons.

**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 DISCLAIMS ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

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NOTE: The data and details given in this document are correct and up to date. This document is intended to provide information about the product and possible applications. This document is not the product specification and does not provide specific features, nor does it guarantee product performance in specific applications. Saint-Gobain cannot anticipate or control the conditions of the field and for this reason strongly recommends that practical tests are conducted to ensure that the product meets the requirements of a specific application.