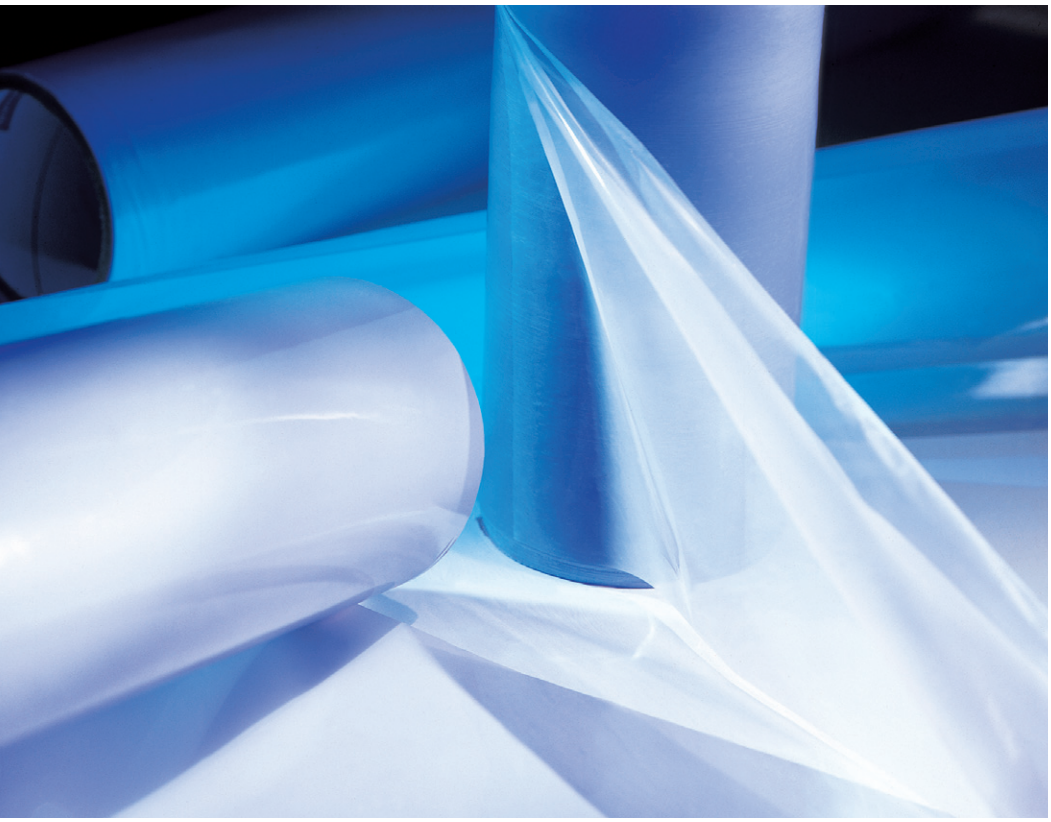
Norton® FluoroLam™ Protective Film



FluoroLam Protective Film is being introduced in a variety of grades to meet the wide range of application needs.

Features/Benefits

- Outstanding solvent resistance designed to meet the stringent requirements of aircraft applications
- Excellent formability due to high elongation (over 300%)
- Superior texture retention
- Low/High gloss finishes
- Thermally bondable (heat activated bonding)
- Low heat release and toxicity
- Non-flammable
- UV-blocking package can be custom-tailored for specific substrate protection
- Solvent-free production

FluoroLam™ Protective Film is a new product technology offered by Saint-Gobain Performance Plastics to meet the needs of protective/decorative applications. This product technology can offer outstanding chemical resistance, PSA-free adhesion, and long life weatherability for outdoor exposure, depending upon the needs of the application. The unique materials and processes employed in the manufacture of this product deliver state-of-the-art elongation for excellent thermoformability in emerging market applications.

FluoroLam Protective Film utilizes proprietary material and process technology to deliver an outstanding balance of properties for the aircraft interior designer. Selecting materials to meet stringent regulatory requirements has usually meant sacrificing design freedom for innovative products. FluoroLam meets the necessary FAA performance requirements while offering deep draw thermoformability to allow the delivery of new designs for emerging aircraft interiors. The technology employed allows Saint-Gobain to custom-tailor the product to meet the widest range of criteria for decorative laminates.

Technical data and ordering locations are listed on the reverse side. Call us today to see how Saint-Gobain can offer you an opportunity to develop innovative designs utilizing this technology.

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FluoroLam™ Protective Film Availability

FluoroLam™ A

- Excellent solvent/stain resistance
- Ideal for cap film or substrates in proprietary laminates
- Clear or White, 20-50 micron film

FluoroLam™ B (Bondable)

- Utilizes proprietary surface treatment technology for adhesive receptivity
- Available in one side treated **(B)** or two side treated **(2B)** versions
- Can be supplied with adhesives pre-applied to film for increased productivity
- White, 20-50 micron film

FluoroLam™ TB (Thermobondable)

- Solvent/stain resistant face side
- Thermobondable surface technology — one side or two sides **(T2B)**
- Clear or White, 20-50 micron film

FluoroLam™ Weatherable Film

FluoroLam™ W

- Excellent solvent/stain resistance
- Product blocks 99% of UV, making it an ideal protective film for graphics
- Clear, 20-50 micron film

FluoroLam™ Protective Film — Typical Properties

Film Type		A, AB, A2B	A, AB, A2B	A, AB, A2B	A	TB	TB	TB
Product Example		**A2B10C**	**A10C**	**A10Wh**	**A20Wh**	**TB10C**	**TB10Wh**	**TB20Wh**
Thickness **Color**		**1 mil** **Clear**	**2 mil** **Clear**	**1 mil** **White**	**1 mil** **White**	**1 mil** **Clear**	**1 mil** **White**	**2 mil** **White**
Specific Gravity, Area Yield, approx.	 (ft.²/lb.)	1.60 120	1.60 60	1.70 112	1.70 56	1.55 124	1.85 104	1.80 53
Tensile Strength,	psi, MD psi, TD	5,800 8,100	5,600 7,400	5,200 8,100	5,000 6,600	4,600 6,300	4,000 6,000	3,500 4,900
Elongation, %, TD	%, MD %, TD	500 500	500 450	400 330	400 380	220 190	330 250	400 260
Shrinkage, % 130°C, 1 min.	 %, MD %, TD	 -0.4 -1.0	 -0.2 -0.7	 -0.1 -0.1	 -0.1 -0.4	 -0.8 -1.1	 -0.6 -1.5	 -0.4 -0.3
130°C, 30 min.	%, MD %, TD	-2.6 -2.7	-1.5 -1.7	-1.5 -1.8	-1.1 -1.5	-2.0 -3.2	-1.2 -2.6	-1.2 -1.7
Dielectric Strength	v/mil	5,400	3,400	5,400	3,700	7,600	6,500	3,200
Light Transmission	%	80	80	n/a	n/a	84	n/a	n/a
Opacity	%	n/a	n/a	88	95	n/a	90	95

IMPORTANT NOTE TO PURCHASER: Values shown are typical and are not to be used for specifications.

All data is subject to change without notice. Before using, the user should determine the suitability of the product for its intended use, and the user assumes all risk and liability in connection therewith. Specifications subject to change without notice.

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FluoroLam™ is a trademark.

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Quality System ISO 9001 Accredited

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