

DUPONT™ TEDLAR® PVF FILMS FOR AIRCRAFT

OFFERING SUPERIOR DESIGN FLEXIBILITY, DURABILITY AND STABILITY



Image courtesy of Magee Plastics Company

INTRODUCTION

DuPont™ Tedlar® polyvinyl fluoride films give airlines maximum design flexibility in creating passenger areas that are attractive, easy to clean, and scuff-resistant. Tedlar® films meet or exceed FAA and EASA standards.

TEDLAR® PVF FILM ATTRIBUTES

Tedlar® PVF films are lightweight, have excellent conformability, and can be embossed and printed. The films are available in an array of colors, which resist fading. If necessary, the colors can be matched long after the initial installation. Transparent Tedlar® film is an excellent overlamine for printed patterns. They resist moisture and do not chip in handling during overhaul inspections.

APPLICATIONS

Tedlar® PVF film is used in a variety of aircraft applications, including:

- interior ceiling and sidewall decorative panels
- window shades

- stow bins
- lavatories and galleys
- ceiling panels
- personal service units (PSUs)
- bulkhead partitions
- insulation barriers, moisture barriers
- cargo bin liners
- aircraft wire markets
- composite noise panels

REASONS FOR CHOOSING TEDLAR® PVF FILMS

- Tedlar® films have superior resistance to harsh cleaners, chemicals, and solvents. Tedlar® eliminates the need for repainting and reduces maintenance costs.
- Tedlar® PVF films provide exceptional environmental protection for parts and structure exposed to the environment. They have set the standard for protection of aircraft secondary structural composites of Nomex® and Kevlar® honeycomb, protecting the composite surface from the effects of hydraulic fluid, fuel exposure, deicing fluids, and other liquid contamination.
- Tedlar® PVF films have been qualified and used extensively in Thermal/Acoustic Insulation Blankets, where shrinkage and self-extinguishing characteristics combine to provide covering films that meet FAA radiant panel testing. They are used as fire barriers laminated to metals, labels for wiring, wire harnesses, and composite part labels where it is no longer acceptable to mechanically fasten metal plate labels to parts.
- And, while most commonly used in bondable applications, Tedlar® PVF films, in their natural state are excellent release films used in the manufacture of advanced composite structures. With a variety of surface textures available, the manufacturer can attain the preferred surface roughness with select Tedlar® PVF release films.

Tedlar® PVF films are the aircraft standard to which other materials used in the industry are measured. Consult with DuPont first when making that important material decision.



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For more information on DuPont™ Tedlar® PVF films in aircrafts, please give us a call or visit our website:

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CAUTION: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see "DuPont Medical Caution Statement," H-50102-4.