



Tedlar[®] Design Possibilities

July 2020

DUPONT[™]

What is Tedlar®?

Tedlar® is a DuPont registered trademark for a **highly versatile polyvinyl fluoride (PVF) film** that provides a long-lasting finish to a wide variety of surfaces exposed to harsh environments; while its inert, non-stick properties make it an excellent release film.



Why Tedlar®?

Interiors

- ✓ Cleanability
- ✓ Chemical/solvent resistant
- ✓ Stain/graffiti resistant
- ✓ Excellent flame & smoke rating
- ✓ Long term protection
- ✓ Endurable style
- ✓ Excellent formability
- ✓ Reduced bacterial growth
- ✓ Does not support the growth of Mold and Mildew
- ✓ Heat sealable
- ✓ Ink & print receptive

Exteriors

- ✓ UV & weather stability
- ✓ Chemical resistance
- ✓ Stain/dirt resistant
- ✓ Temperature stability
- ✓ Colour stability
- ✓ Range of surface gloss
- ✓ Low toxicity & volatiles
- ✓ Bendability
- ✓ Low gas/ vapor permeability
- ✓ Sound transmitting

Tedlar® PVF Applications

Proven applications, globally, for over 50 years



Aerospace & Transportation



Building & Construction



Signage



Healthcare



Industrial



Composite Release



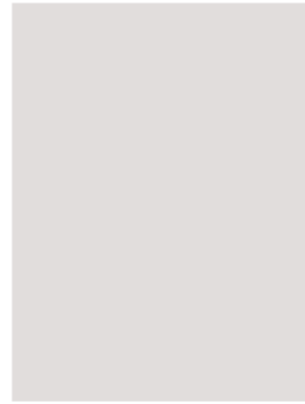
Photovoltaics



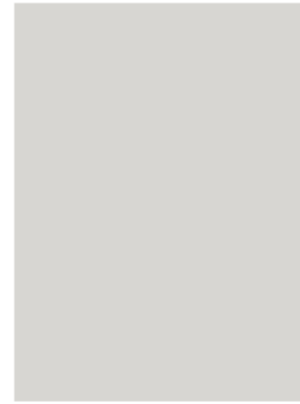
Colors

Tedlar® is available in a variety of standard colors including Clear UV Stable

Examples of colors (more are available on demand):



Shell white
TWH15BL3
Choice color



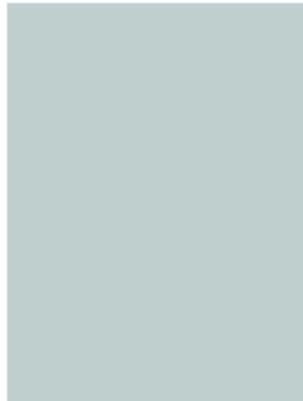
Birch white
TBW15BL3



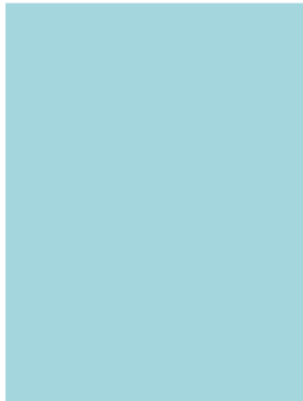
Dawn gray
TGH15BL3
Choice color



Misty gray
TMG15BL3
Choice color



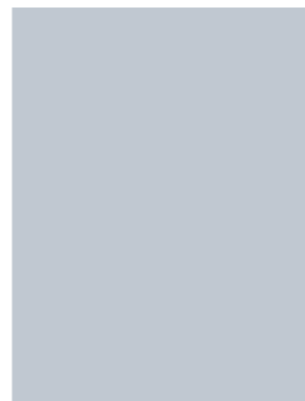
Light gray
TGL15BL3



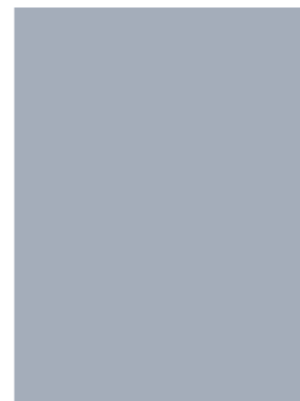
Light blue
TNB15BL3



High sky
THS15BL3
Choice color



Tokyo day
TTD15BL3



Heron feather
THF15BL3



Salem blue
TSB15BL3
Choice color



Custom Colors and Pigmented Effects



(Color Flop)

Customized color matching is possible with Tedlar®



Pearlized Tedlar®



Pigments can be added directly to the Tedlar® dispersion prior to casting, creating a pearlized Tedlar® film.



Embossed Tedlar®



During the lamination process, transfer paper can be used to create a wide variety of textures, such as leather and wood grain effects.

Metallized Tedlar®



Tedlar® film can be metallized, creating stainless steel and chrome looks



High Resolution Sublimation Printed Tedlar®



Tedlar® clear film has the ability to diffuse high resolution dye sublimation inks into the film. The high resolution image is encapsulated and protected by the clear Tedlar® film.



Sublimation Printed Wood/Stone Tedlar®



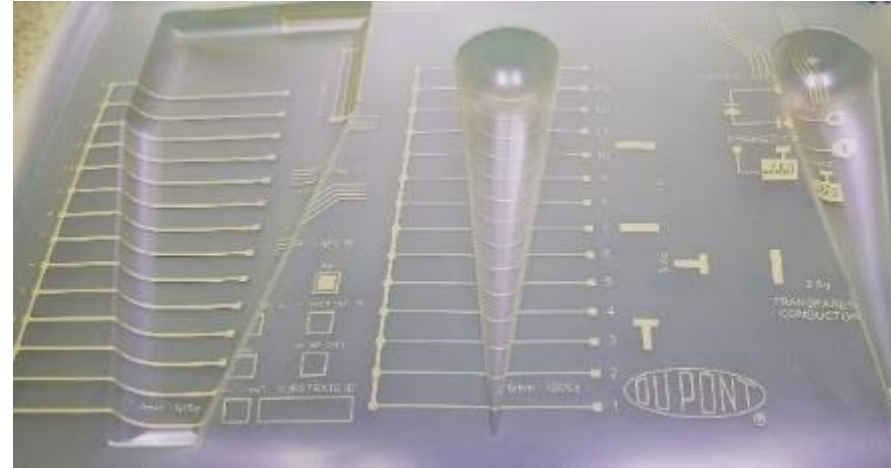
The dye sublimation process enables a wide variety of surface appearances using Tedlar® clear film. Combined with embossed textures, this technique creates a surface with a unique look and feel.

Thermoformability



Tedlar® film is thermoformable, expanding the use of the material beyond flat surfaces.

Conductive Ink/In-Mold Printed Tedlar®



Conductive inks can be printed directly on the back of Tedlar®. This film can then be laminated and thermoformed enabling lighting, temperature, and volume controls a touch away from the end user.



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