

DuPont™ Tyvek®

MAKING IMPRESSIONS LAST



Tyvek.



DuPont™ Tyvek®

DuPont™ Tyvek® Graphics

DuPont™ Tyvek® Graphics products bring lightweight, strength, durability and great looks to everything you print.

Tyvek® can make Tags & Labels easier to read, more comfortable to wear and able to resist moisture and other challenges. It can turn Banners & Signs into vibrant, weather-proof advertisements for your products and services. Use Tyvek® to create long-lasting Maps & Guides and you'll always be able to find your way. Bags, books, leaflets and other General Graphics will look brighter and last longer than ever before. Your Racing Numbers will stay the course, even after running a marathon or triathlon. In addition, your Consumer Packaging jobs will instantly gain new strength and unique appeal.

A range of Tyvek® applications, as wide as your needs.



What is Tyvek®?

DuPont™ Tyvek® is made of pure polyethylene fibers randomly laid and bonded to form a remarkably tough printing substrate, ideal for all applications where durability is of prime importance.

Tyvek® combines the performance of paper, film and fabric. And, because of its unique physical properties, Tyvek® is versatile, recyclable, and printable, making it ideal for a wide variety of graphics applications including posters and banners, tags and labels, maps, flags, lamps and much more...



Animal lamps
Photo courtesy Shira Keret



Why Tyvek®?

- Lightweight
- Strong and tear resistant
- Unaffected by most chemicals
- Highly weather resistant; withstands water and extreme temperatures (-70° to +100° C)
- Excellent printability – barcode and variable information printable
- Can be creased, folded, and stitched
- Distinctive appearance and soft, silky touch
- 100% recyclable
- Manufactured under ISO 9001/2000 certified quality management system
- EMAS certified



-70° / +100°C



Light



Tear and
puncture resistant



Large format



Weatherproof



Durable



Printable



UV Resistant



Recyclable



Tyvek® applications



Tags and labels

Think about it! There are tags or labels on almost everything you touch today and most need to withstand heavy use, tough weather and constant handling. DuPont™ Tyvek® is a lightweight, durable solution for every tag and label application. And for those with intricate bar code and variable information printing, Tyvek Brillion® offers a smoother, more uniform surface. Following are some of our primary applications:

- **Plant tags**

Durable and weather resistant. They remain on the plants from the nursery, through processing, packaging and into the retail trade.

- **Clothing tags, mattress tags**

Soft and strong. They can be sewn or glued without losing strength; long life – they last as long as the items they are attached to.

- **Golf tags**

Moisture resistant. They can be written on with pencil or pen even in wet weather.

- **Ski tags**

Strong and durable. They stand up to wind, weather, water and other demanding slope conditions.



DuPont™ Tyvek®



- **Luggage tags**

Tough and puncture resistant. They withstand rough treatment of luggage handling systems.

- **Wristbands (event guests, hospital patients, fitness, ...)**

Safe, soft, secure. They cannot be transferred from one person to another without damage.

- **Warning labels**

Tear and abrasion resistant. They protect important details and specifications.

- **Meat labels**

Food-contact approved. They remain pH neutral and contain no additives.

Tyvek® can also be used as self-adhesive labels for:

- food packaging
- pharmaceutical products
- electronic equipment

- **RFID Labels**

Water and chemical resistant.
Protects chip and antenna.



Banners & signs

Look around you. Advertising is everywhere. That's why your banners and signs need to stand out. That means strikingly vibrant colors to break through the clutter, and all-weather durability to last as long as possible. Wide format signs and banners made of DuPont™ Tyvek® are solutions that help your advertising get noticed and remembered.

Lightweight and strong, Tyvek® is suitable for both outdoor and indoor applications where vinyl is too heavy. Coated Tyvek® styles are inkjet printable and Tyvek® flame retardant is M1 and B1 certified. Because Tyvek® is 100% recyclable, it offers a real alternative to PVC banners.

- **Indoor banners, posters and displays**

Lightweight, easy-to-read. They are colorful and easy to handle, with a smooth, non-glare surface.

- **Outdoor banners and signs**

Durable and fade resistant. They can withstand the toughest weather conditions while retaining their good looks.¹

- **Rolling displays**

Thin, light and flexible. They allow additional advertisement space, won't wear out when rolled and unrolled repeatedly.



Espace des Inventions Lausanne
Picture: Alain Herzog



¹ When light-fast inks are used.

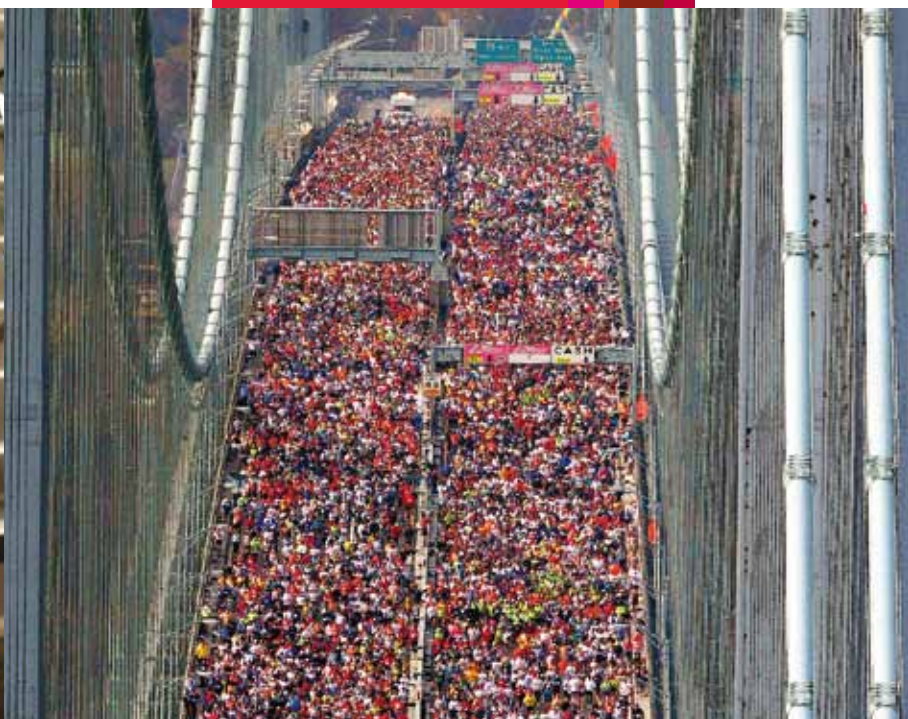


Racing numbers

In the wet, in the cold, in the heat and in harsh conditions, racing numbers made with Tyvek® have proved their ability to last and stay visible. Tear and abrasion resistant, Tyvek® racing numbers remain very flexible and are comfortable to wear during the race thanks to their light weight, high tear resistance and breathability!

Additional benefits include:

- A premium quality printing substrate. Tyvek® guarantees to the sponsor a perfect protection and identification of his brand.
- Attachable with belts and/or pins without tearing or losing strength.



Maps and guides

The elements may be no match for a determined camper, sailor, soldier or fisherman, but maps, trail signs and other outdoor guides are another matter.

That's why you should always have yours printed on DuPont™ Tyvek®.

Tyvek® is ideal in the following applications:

- **Sailing charts**

Moisture resistant. They are unaffected by water and can survive 3 month's immersion in salt water.

- **Military maps**

Durable and abrasion resistant. They hold up and stay readable even in hostile conditions.

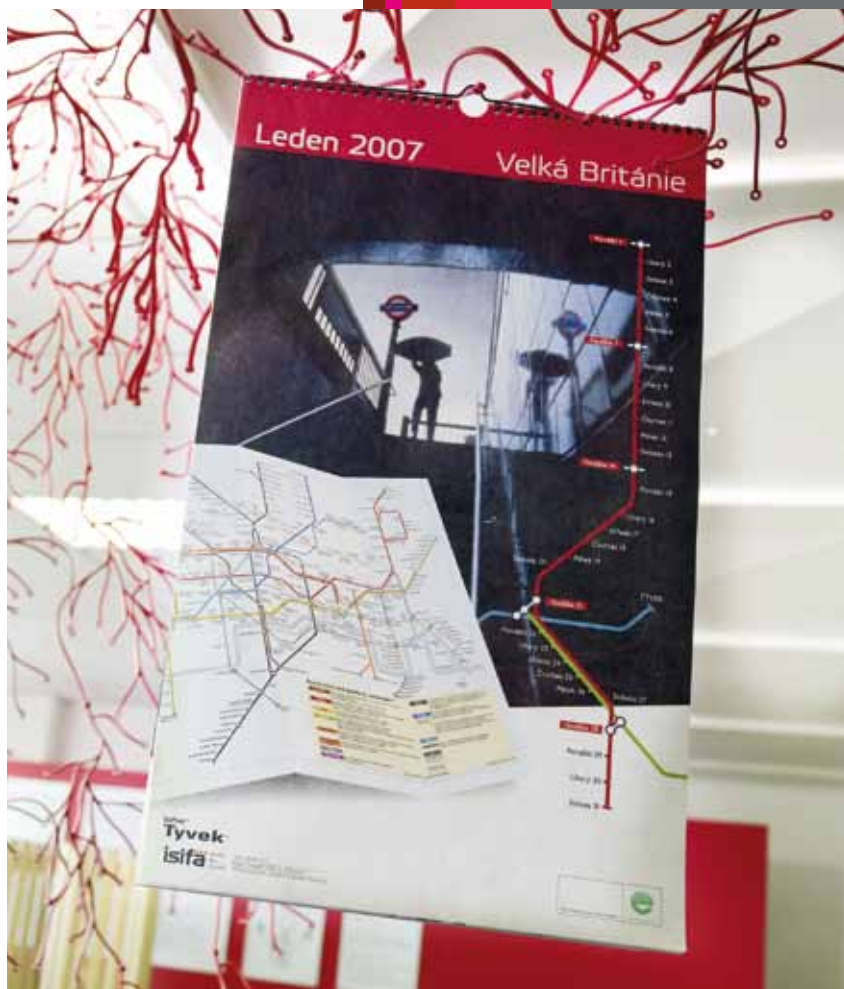
- **Road maps**

Flexible and easy to read. They can be folded and unfolded 20,000 times without deterioration.

- **Hiking & cycling maps**

Soil and stain resistant. They can be easily wiped clean if soiled.





Manuals, books and calendars

Just about everything you print can benefit from greater strength, lighter weight, all-weather durability and abrasion resistance. That's why Tyvek® has become the substrate of choice for so many printing applications. And, Tyvek® is even "childproof"!

- **Manuals and documents**

Strong and durable. They can withstand rough handling and hold up under the most demanding conditions.

- **Children's books**

Stain and moisture resistant. They can be dropped into the bath or covered with jam – no problem! Just wipe them clean and dry.

- **Calendars**

Strong and fancy. Lasts at least a year!



General applications

- **Decorative packaging**

Distinctive appearance, silky touch. Custom colors can be developed for major projects.

- **Museum packaging & art work archiving**

Totally smooth and lint-free surface. Unique features include breathability and resistance to water.

- **Bags**

Strong and durable. They can be loaded with heavy items.

- **Invitations**

A way to be different.

- **Promotional items**

The sky is the limit.



Printing techniques

- **Traditional techniques**

Tyvek® is printable using all traditional techniques: offset, flexo, screen.

- **Digital techniques**

Tyvek® can be used for most digital printing techniques: inkjet, thermal transfer, UV-curable, HP Indigo.

Most of our Tyvek® styles are HP Indigo certified.

The certificates can be downloaded via our website:
graphics.dupont.com



For details, refer to the technical handbook.



Converting

All types of converting can be done with DuPont™ Tyvek®.

For details, refer to the technical handbook.

Availability

Tyvek® is available in a wide range of formats, styles and weights.

Recyclable

Made of high density polyethylene (HDPE), Tyvek® or products made of Tyvek® can be mechanically recycled. Products made from Tyvek® which are printed, glued, welded or sewn can be recycled without any problems. Tyvek® does not contain any foreign fillers or binders.

For further information, technical assistance or samples, please contact DuPont or your local distributor.

www.graphics.dupont.com

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The miracles of science™