



# Count on DuPont™ Tyvek®

for Demanding Industrial Packaging

## About DuPont™ Tyvek®

Protection for demanding packaging applications

DuPont™ Tyvek® combines the best physical properties of paper, film, and fabric to offer unique advantages for a wide variety of demanding packaging applications.

Made of high density polyethylene fibers, Tyvek® brand materials are manufactured in a unique flash-spinning process without the use of binders—providing a durably rugged sheet structure that outperforms many conventional packaging materials, in many environmental conditions.

Tyvek® brand materials are inherently water resistant, inert to most organic and inorganic chemicals and can stand up to mishandling and abuse. It all adds up to possible long shelf life and better packaging appearance over time.



Lightweight



Tear resistant



Water resistant



Easy to store



-80° C / +80° C  
-112° F / +176° F



Breathable



Protects from dust



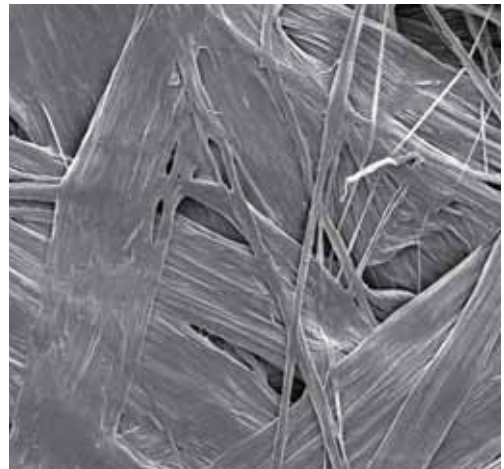
Smooth



Reusable\*



Recyclable\*\*



Top view (500x magnified)

## DuPont™ Tyvek® Offerings for Demanding Packaging

| Style No.              | Tyvek® hard structure |       |       |       |       |       |       |       |       | Tyvek® soft structure |       |       |       |       |
|------------------------|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------------------|-------|-------|-------|-------|
|                        | 1025D                 | 1056D | 1073D | 1073B | 1082D | 1085D | 2462C | 2473L | 3563M | 1422A                 | 1442R | 1443R | 1560K | 1623E |
| Application            |                       |       |       |       |       |       |       |       |       |                       |       |       |       |       |
| Industrial bag         |                       |       | X     | X     |       |       |       |       |       |                       |       |       |       |       |
| Interleaf/Wafer Spacer | X                     | X     |       |       |       |       |       |       |       |                       |       |       |       |       |
| Robot Cover            |                       |       |       |       |       |       |       |       |       | X                     | X     | X     |       | X     |
| Art Packaging          |                       |       |       |       |       |       |       |       |       |                       | X     | X     |       | X     |
| Car/RV cover           |                       |       |       |       |       |       | X     |       | X     |                       |       |       | X     |       |
| Part Protection        |                       | X     |       |       | X     | X     | X     | X     |       |                       |       |       |       |       |

\*Note: End users need to inspect and make sure the condition of the products is suitable for reuse beforehand.

\*\*Note: Laminated styles 2462C, 2473L and 3563M are not recyclable.

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## **Tyvek® for Industrial Bags**

Offering Exceptional Strength and Air Permeability

## Key Challenges:

For fine powder packaging manufactures in food, cement, fertilizer, chemical additives the following challenges are commonly faced:

- Air in the bag can prevent fine powder from fast filling
- Fine powder generated from the filling can be harmful to the workers
- Water contact could affect the shelf life
- Potential breaking and leakage can affect the handling efficiency



## What Tyvek® can provide:

- Permeability allows air to be removed quickly, helping to enable fast filling of the bags
- Exceptional tear resistance and burst strength to help reduce potential bag damage during filling and handling
- Water resistance to help protect products inside from water splash
- A fine structure that can help reduce potential powder leakage

## Offering:

- Tyvek® 1073D, 1073B



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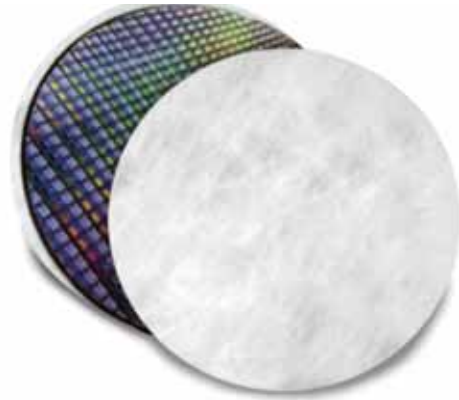
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**Tyvek**

## **Tyvek® for Interleaf/Wafer Spacer**

Offering Excellent Protection for Delicate Electronic Devices

## Key Challenges:

For the semi-conductor industry, particles, scratching, ion contamination and static will cause damage in delicate electronic parts. Vacuum manipulation could also be a challenge. Wafer packaging solution provider, integrated circuit (IC) design company, have been looking for improved packaging solutions to address these common issues.



## What Tyvek® can provide:

- Tear resistance to help secure the protection between wafers
- Low linting and smooth surface can help avoid particles and scratching
- Anti-static treatment can help minimize ESD (Electrostatic Discharge)

## Offering:

- Tyvek® 1025D, 1056D



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## **Tyvek® for Robot Covers**

Offering Excellent Protection from Aerosols And Particles

## Key Challenges:

Robots work in a variety of conditions and environments where paint splashes and dirt are likely.

## What Tyvek® can provide:

- Flexible and lightweight, Tyvek® can be custom made to fit robot parts, Tyvek® can be easily sewn and outfitted with Velcro®, grommets, strapping, elastic and snaps as needed to provide wonderful coverage.
- Antistatic and low-lint means Tyvek® won't potentially damage the painting surface
- Tyvek® can help provide optimal protection against paint aerosols and dusts to keep robots clean and extend their life
- The tear resistance of Tyvek® enables longer use time of the cover

## Offering:

- Tyvek® 1422A, 1623E, 1442R, 1443R  
(when more breathability is needed)



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# Tyvek® for Art Packaging

Offering Lightweight Protection from Dust and the Elements



## Key Challenges:

UV light, scratches, water, condensation, mildew and dust all pose a major threat to works of art. Art galleries and museums are always looking for new and innovative ways to help protect their works of art during transportation and during times of storage from these common threats.

## What Tyvek® can provide:

- Breathability
- Lightweight, smooth surface and flexibility and ease of handling
- Tear and water resistant for durable protection during transportation and storage
- Wide format (3m) available for easy packaging
- Reusable\*

## Offering:

- Tyvek® 1623E, 1442R, 1443R



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## **Tyvek® for RV/Car Covers**

Offering Excellent Protection to Help  
Retain Overall Vehicle Value and Appearance



## Key Challenges:

Recreation vehicle's (RV) and car exteriors can be easily damaged with scratches and harmful environmental conditions like pollution, dust, sunlight, rain and snow, tree sap and bird droppings. Dirt and dust which can dull finishes and cause severe abrasion damage. A simple scratch in the finish can lead to significant rust damage.

## What Tyvek® can provide:

Protective covers made with Tyvek® can help reduce potential aging, scratches and rust spots to help vehicles retain their overall value and appearance.

Covers made with Tyvek® :

- Help protect from abrasive particles
- Are both water-resistant and breathable
- Help stabilize temperatures and retains its mechanical properties in a broad range of temperatures from -80 to +80 degrees Celsius to provide protection in the freezing cold or the smoldering heat
- Contain UV stabilizers to help prevent the exterior metal and paint and the interior leather, vinyl, rubber and fabric from degrading
- Flexible and lightweight making it easy to put on and put away

## Offering:

- Tyvek® 2462C, 1560K, 3563M



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