

DUPONT
Tyvek®

Count on DuPont™ Tyvek®

for Demanding Active Packaging



About DuPont™ Tyvek®

Protection for demanding packaging applications

Made of 100% high density polyethylene fibers, DuPont™ 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. Tyvek® combines the best physical properties of paper, film and fabric to offer unique advantages for a wide variety of demanding active packaging applications.

Tyvek® brand materials are extremely durable, puncture resistant and feature high water vapor transmission rate (WVTR), allowing for easy moisture and gas passage, that makes this material ideal for sorbent packets.

Uncoated medical grade Tyvek® is chemically inert and enables desiccant packs made suitable for use in regulated healthcare product packaging.



Lightweight



Tear resistant



Water resistant



-80° C / +80° C
-112° F / +176° F



Breathable



Low-linting



Printable



Recyclable

	Tyvek® product							
Application	1025B	1059B	1073B	2025B*	1025D	1056D	1058C	2058C*
Health Care Desiccant	●	●	●	●				
Electronic Desiccant					●	●		
Container Desiccant		●	●		●	●		●
Food active packaging&Scavenger Sachet	●	●	●	●			●	●

* Coated product

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Tyvek® for Healthcare Desiccant

Providing Safe Packaging for Moisture Absorption



Key challenges:

For pharmaceutical and healthcare products, moisture is always a challenge. It can impact the chemical and physical stability of drugs and nutritional supplements.

Desiccant packs inside the product packaging can help absorbing the moisture inside and help preserving the products throughout their shelf life. However desiccants particle shedding or possible leakage might be a potential contaminations threats to the healthcare products.

Meanwhile, there are stringent regulatory requirement from country to country on food contact products, to which pharmaceutical and healthcare products belong.



What Tyvek® can provide:

- Regulatory compliance for selected products:
European Pharmacopoeia 3.1.3 and 3.1.5; USP <661.1>; US FDA Food Contact Regulation (21 CFR 177.1520); European Food Contact Regulation (EU N° 10/2011 and EC N° 2023/2006) – The regulatory compliance letters are available upon request.
- Breathability to enable moisture absorption
- Low linting, super nonwoven structure and good durability to keep what inside always inside
- Mold/mildew, chemical and solvent resistance

Offering:

1025B, 1059B, 1073B, 2025B

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Tyvek® for Electronic Desiccant

Providing Reliable Protective Packaging



Key challenges:

Electronic elements are usually of high value and very sensitive to humidity, static electricity and particles. Exposure to those may result in irreversible damage and huge economic loss. Desiccants are essential to ensure the required environmental humidity during storage and transportation. Meanwhile the package needs to meet strict standards to avoid potential risk to the elements.

Meanwhile, there are stringent regulatory requirement from country to country on food contact products, to which pharmaceutical and healthcare products belong.



What Tyvek® can provide:

- Not containing restricted chemicals listed in European Directives, such as RoHS (Directive 2015/863/EU) or REACH Substances of Very High Concern (SVHC).
- The puncture resistant helping prevent the bag to burst, which is the required regulatory compliance by MIL-STD-3010B.
- Performance helping meet MIL-D-3464E standard (US Military Standards)
- Low linting and smooth surface helping avoid particles and scratching.
- Anti-static treatment helping minimize electrostatic discharge

Offering:

Tyvek® 1025D, 1056D

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Tyvek® for Container Desiccant

Providing Secure Packaging Under Severe Condition



Key challenges:

During transportation, the container may subject to great temperature change. Especially when the container is moving from high temperature to lower, high humidity will cause water drops form inside the container as well as inside package of the product so as to damage the goods. Desiccant can help reduce environmental humidity but need to make sure itself meets stringent test to avoid potential burst and contamination of the container.



What Tyvek® can provide:

- Not containing restricted chemicals listed in European Directives, such as RoHS (Directive 2015/863/EU) or REACH Substances of Very High Concern (SVHC).
- Strength you can rely on
- Water resistance & breathability help reduce humidity that may spoil goods in the container.
- Puncture strength allows the contents of the desiccant to arrive in tact.
- Help achieve compliance in MIL-D-3464E (US Military Standards).



Offering:

1025D, 1056D, 1059B, 1073B

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Tyvek® for Scavenger Sachet

Providing Safe and Robust Protection

Ethylene
remover

Key challenges:

In the food industry, safety performance always comes first. Strength, breathability and water resistance are very important attributes required by active packaging for food to ensure the packaging safety performance as well as in use.

Oxygen and Ethylene scavenger sachet also requires good gas permeability and robustness so as to ensure the safety performance and easiness to use.



What Tyvek® can provide:

- Regulatory compliance for selected products: US FDA Food Contact Regulation (21 CFR 177.1520); European Food Contact Regulation (EU N° 10/2011 and EC N° 2023/2006) – The regulatory compliance letters are available upon request.
- Breathability that enables moisture, oxygen and ethylene transmission
- Strength you can rely on



Offering:

1025B, 1059B, 1073B, 1058C, 2025B, 2058C

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