

SHRINK FILMS

FOR

FRUITS & VEGETABLES





Bolloré Packaging offers a complete range of shrink films, **Bolfresh**, for product **protection** and **added value on shelves** for **fruits** and **vegetables**:

Whole or cut products
In trays or per unit







Product enhancement

(Quality optics, antifog, transparency, high shrinkage level)





Meets the packaging requirements in retail units for industry and catering



Protect the product and prevent from contamination risks

BOLFRESH





Reinforced sealing properties and high puncture resistance



Meeting the needs of extended shelf life for consumers and meat processors



respiration rate

of fresh produce:

Produce shelf life is linked to the respiration rate

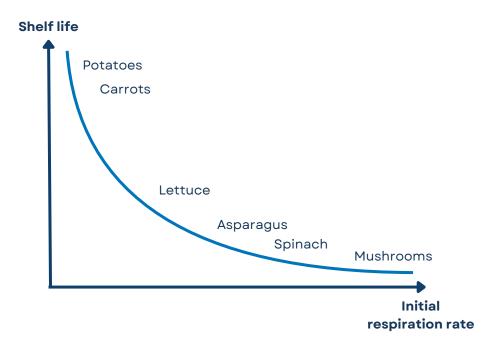


The higher the respiration rate, the shorter the shelf life

Temperature also **affects the respiratory intensity** of the product:



The lower the temperature, the longer the shelf life because of a decrease of the respiration rate







Reducing the respiration rate

of fresh produce

In aerobic conditions, the respiration rate of the fresh produce follows the glucose degradation reaction:

Glucose + O₂ CO₂ + H₂O

Using a packaging film with an **optimized permeability** to water vapor and oxygen



Allows to adjust the levels of oxygen, carbon dioxide and water vapor inside the package



Increased shelf life



Limited dehydration



Reduced microbiological alteration





Why choose > BOLFRESH films?



FOR QUALITY REASONS:

- Physical protection of the product
- Hygiene guaranteed, less contamination
- Extended shelf life
- Excellent optics for attractive shelf presentation
- Assured traceability



FOR COMMERCIAL REASONS:



Enhance the value of products

- \bigoplus
- Creation of extra product references

Brand positioning



Volume overselling (Multipack instead of bulk)



Simplifies restocking for exotic products and products with a low turnover



Overwrapping enables price/weight labelling

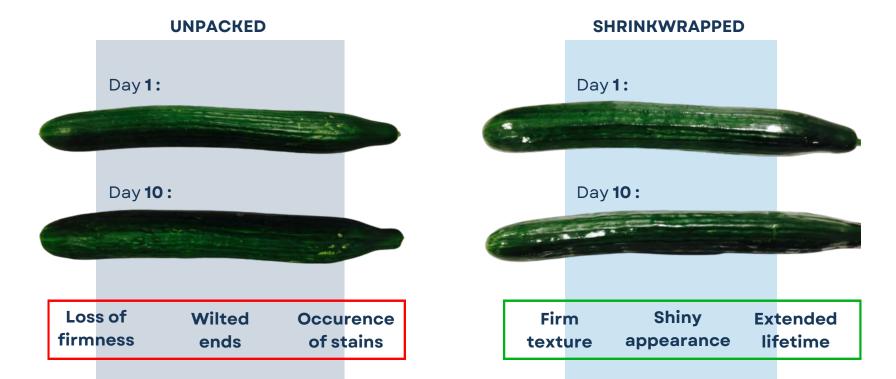




Saving food

% of fresh produce is spoiled before consumption because of their worn-out appearance. Improving quality helps towards reducing food loss and waste

Adequate packaging with **Bolfresh® 11µm** ultrathin film has already demonstrated outstanding results:





Antifog films

BOLFRESH® BFF & BFF-RI Anti-fog polyolefin film





Ideal for the enhancement of products subjected to large temperature variations



High performance anti-fog properties



Recyclable and available in -Ri version based on postindustrial recycled material





High permeability to oxygen Anti-fog properties



High shrink level and elasticity Suited for trays containing protruding products









High breathability films

BOLFRESH® BFP - BXP - BYP

Films showing high shrink properties for the packaging of round-shaped products and optimized gas transmission properties for fruit and vegetable wrap.

Its microperforation ensures optimum gaseous exchanges.

An excellent machinability helps you mastering packaging costs.

Perforation	P14	P68	P888	P889
Pattern				
Number of holes /dm²	25	54	2 000	2 000
Diameter of holes in µm (+/- 200 µm)	650	1 000	500	700
Water vapour permeability 38°C, 100% RH (g/m²/24h)	330	700	3 000	4 000











"Second skin" shrink film

BOLFRESH® BSP "Second skin" shrink film suitable for cold



Outstanding resistance to low temperatures





To the **Bolfresh®** outstanding performance can be added **Bolloré's**

secured manufacturing and quality standards



CERTIFICATIONS

Bolloré films manufacturing site is certified to both **ISO 22000** and **BRC** (British Retail Consortium).



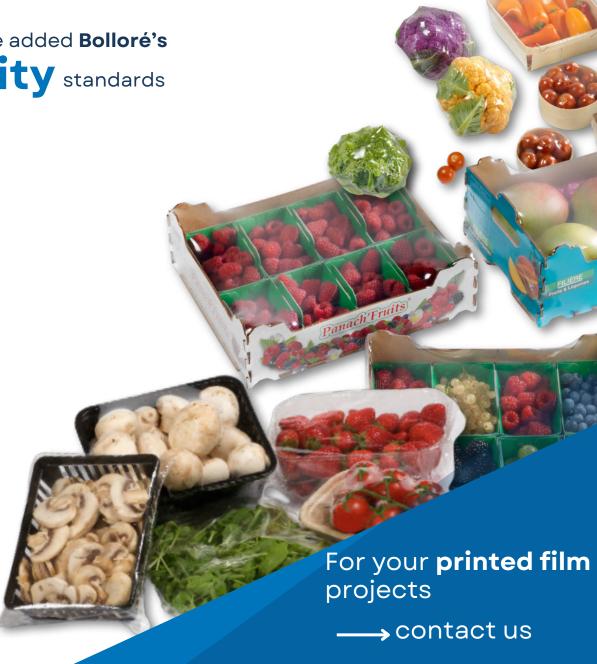
TRACEABILITY

In compliance with regulation 1935/2004/CE, Bolloré ensures the traceability of materials and articles at all stages, from production to shipment.



FOOD CONTACT APPLIANCE

Bolloré films are allowed for food contact; they are made with ingredients complying with European regulations.





Odet - Ergué-Gabéric 29556 - Quimper Cedex 9 - France

+33 (0)2 98 66 72 00

www.bollorefilms.com