



BEST FOR FRESHNESS



FLOWERS



FRUIT



VEGETABLES

# PerfoTec LinerBag

## Reducing food waste with PerfoTec freshness extension tools

The characteristics of the PerfoTec LinerBag creates an import packaging solution for transport and bulk fresh produce. It can even be used as a ripening chamber. The extension of freshness – especially if the PerfoTec LinerBag is micro perforated with the PerfoTec Laser Perforation System based on Modified Atmosphere Packaging technology – leads to less waste as the freshness maintain their flavor, smell and taste with no weight loss, no skin discoloration, no browning, no excessive condensation, no yellowing, no regrowth, no lignification, no molds and no CO2 damage during transport or storage.



## Features & Benefits

**Maximized the shelf life of Fresh Products**

**Available in the most used box size on the market**

**Printable**

**Plasticizer & GMO free**

**Patented**

**Food Contact compliance approved**

**Certified home compostable material by TUV Austria**

**Produce weight loss is virtually zero**

**High Water Vapour Transmission Rate**

**Food Contact compliance approved**



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To prevent formation of water droplets, the PerfoTec LinerBag (MAP technology) is made of a special material with a high-water vapour permeability. This ensures that, without the product drying out, the water vapour is released through the bag. As a result, the product remains dry in the PerfoTec LinerBag with considerably less chance of mould and bacteria development.

Another special feature of the PerfoTec LinerBag is its high CO<sub>2</sub> permeability. Thanks to this characteristic it is possible to achieve low O<sub>2</sub> levels, while preventing excessive

build-up of CO<sub>2</sub>. By maintaining the optimal MAP conditions and avoiding an anaerobic environment, longer shelf life is achieved.

Tests show that the combination of a healthy fresh product, at the optimal storage temperature and a product specific PerfoTec LinerBag, ensures freshness for a significantly longer period. This will reduce food waste and provide an opportunity to expand into new markets. The PerfoTec LinerBags can be adapted to each product chain and needs thanks to the micro perforations applied on the bag.

## PerfoTec LinerBag Technical Specificaties

Thickness	μ m	30 **
Density	g/cm <sup>3</sup>	1,2068
Yield	m <sup>2</sup> / kg	23,2
Tensile Strength @ Break, MD1	N/mm <sup>2</sup>	30
Tensile Strength @ Break, CD2	N/mm <sup>2</sup>	27,6
Tensile Elongation, MD1	%	>300
Tensile Elongation, CD2	%	>540
Haze	%	>13
Light Transmittance	%	>87
WVTR (38°C 90% RH)	g/m <sup>2</sup> 24hrs	High
OTR (23°C 0% RH)	cc/m <sup>2</sup> 24hrs	Medium
COTR (23°C)	cm <sup>3</sup> /m <sup>2</sup> 24hrs	High
Sealing strength MD, @ 100°C	N/25mm	>20
Sealing temperature range (1 sec)		80 - 120

\*\* other thickness is available.