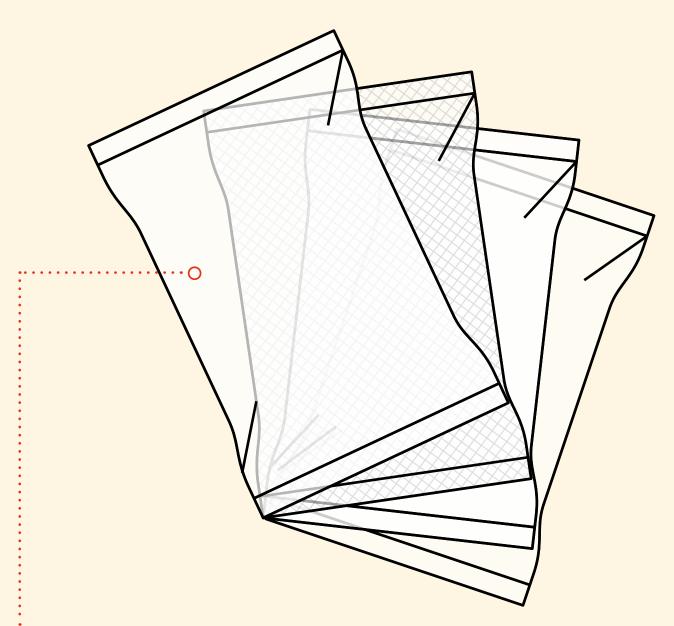
## Bags cataloge

#choosetheoriginal





- Technical datasheets
- Applications
- Machine compatibility
- Avaiable formats



## Index

4	How do we produce the bags?
6	<b>01</b>   Recyclable bags
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22	<b>09</b>   Embossed rolls for storage
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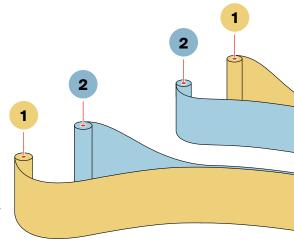
# How do we produce our vacuum bags?

#### How do we produce our vacuum bags?

For over 20 years, Orved has been manufacturing smooth and embossed vacuum bags for cooking and storage. Over time, various types of bags have been introduced, ranging from cook & chill to recyclable bags, the new frontier of sustainability, in order to consistently offer the highest quality and precision for every specific need.

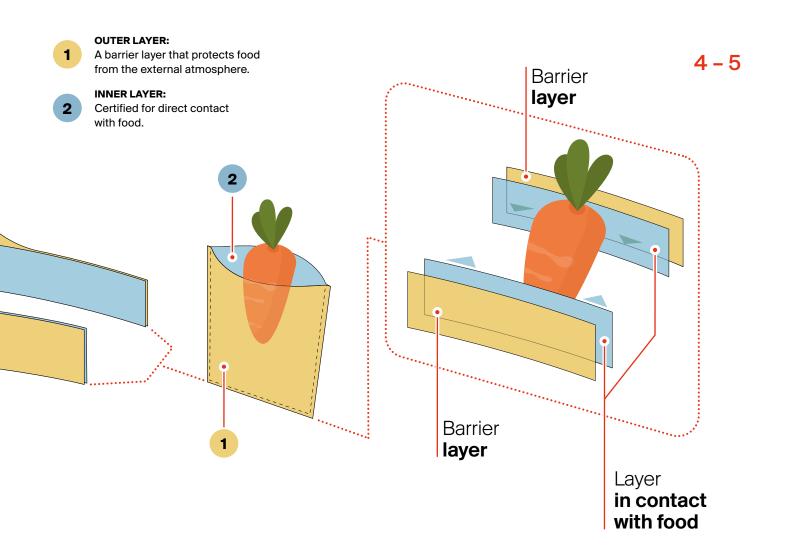
The aspect that has always remained constant is the focus on raw materials—only virgin and premium-quality polymers—alongside great attention to the production process and the final product. The materials, extruded with the utmost care and professionalism, are laminated to ensure the best barrier effect and optimal preservation of every product.

ORVED bags are free of substances like BPA and PVC, certified for food contact, and comply with the strictest European regulations.



**EXAMPLE OF MATERIAL**LAMINATION PROCESS







# **01**Recyclable bags



# The new frontier of sustainable catering

Recyclable PE/EVOH/PP bags are ideal for vacuum-sealing solid, liquid, and delicate products. Each bag is produced using the highest quality polymers, and the material lamination ensures maximum resistance and vacuum durability..

For sustainable vacuum storage, Orved's recyclable and certified bags are the choice.

GUIDE TO READING LABELS: PAG. 26

#### **OPERATING TEMPERATURES AND TIMES:**

MIN: -13.0°F

MAX: 185°F-2h | 212°F-30'

#### FOR COOKING AND REGENERATION IN:

FOR STORAGE IN:



Water bath



Steam oven



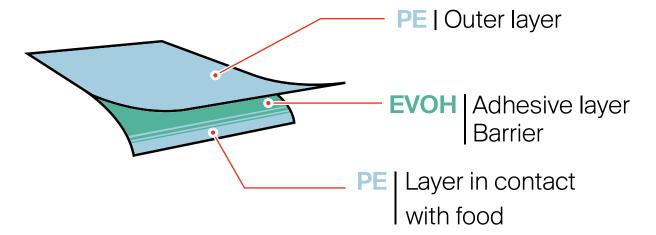
Pantry







#### PE/EVOH/PE



100% recyclable: Rinse it, and recycle it in the plastic bin!



### Technical characteristics

PROPERTY	DIN METHOD	UNIT	VALUE
Total Thickness	DIN 53370	μm	80 ± 10%
Yield Strength	DIN ISO 527-1	ld (N/15 mm) cd (N/15 mm)	≥ 25
Temperature and Heating Time	DIN ISO 527-3	ld (N/15 mm) cd (N/15 mm)	ld≥ 30 cd≥ 25
Water Vapor Transmission	Calculated	$g/m^2/24h   73.4 \pm 33.8^{\circ}F   85 +/- 2\% r.F./RH$	≤ 1,5
Oxygen Permeability	DIN 53380-3	cc/m2/24h/atm   73.4 ± 35.6°F   75% r.F./RH	≤ 1,5
	• ———	· <del>· · · · · · · · · · · · · · · · · · </del>	<del></del>

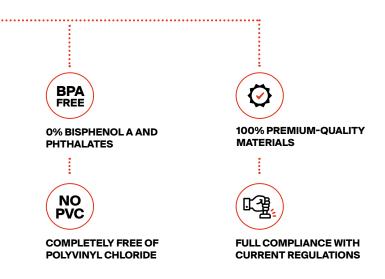
DIMENSIONS	QTY PER CARTON
6 x 12 inches	1.000 pieces
7 x 10 inches	1.000 pieces
8 x 12 inches	1.000 pieces
10 x 14 inches	1.000 pieces
10 x 16 inches	1.000 pieces

DIMENSIONS	QTY PER CARTON
12 x 16 inches	500 pieces
14x 16 inches	500 pieces
14 x 24 inches	500 pieces
16 x 21 inches	500 pieces
16 x 24 inches	400 pieces

## 02

## Cook & chill smooth bags





# Don't throw away food, vacuum seal it and support the environment

Cook & Chill bags are highly versatile and can be used for storage, sous-vide low-temperature cooking, pasteurization, and even freezing. This preserves all the organoleptic qualities of the food.

#### The Cook & Chill technique allows:

- Preparation of food in advance with care
- Sous-vide cooking of the recipe
- Rapid cooling (chilling)
- Regeneration of products and all without ever changing the bag!

Cook & Chill bags are characterized by their blue color, ensuring maximum safety in the kitchen.

GUIDE TO READING LABELS: PAG. 26

#### **OPERATING TEMPERATURES AND TIMES:**

MIN: -40°F

MAX: 185 °F-72h | 249,8°F-1h

#### FOR COOKING AND REGENERATION IN:

FOR STORAGE IN:



Water bath



Steam oven



Pantry



Refrigerator



#### **OPA/PE 15/70**

15 MICRON (0.0015 CM)

OPA | Barrier Layer

70 MICRON (0.0070 CM)

PE | Layer in contact with food

## Usable up to -40.0°F



### Technical characteristics

PROPERTY	DIN METHOD	UNIT	VALUE
Total Thickness	DIN 53370	μm	85 ± 10%
Minimum Refrigeration Temperature	-	°F	-40
Temperature and Heating Time	-	°F/h	185 °F - 72h   249.8 °F - 1h

PERMEABILITY	DIN METHOD	UNIT	CONDIZIONI TEST	VALUE
Oxygen Permeability	DIN 53380	cc / m² / 24h	73.4°F / 0% R. H.	30 ± 1
Water Vapor Transmission	DIN 53122	g/m²*d	73.4°F / 85% R. H.	10 ± 2
CO <sub>2</sub> Permeability	DIN 53380	cc / m² / 24h	73.4°F / 0% R. H.	108 ± 6

DIMENSIONS	QTY PER CARTON
5 x 8 inches	1.000 pieces
6 x 12 inches	1.000 pieces
8 x 10 inches	1.000 pieces
8 x 12 inches	1.000 pieces

DIMENSIONS	QTY PER CARTON
8 x 16 inches	500 pieces
10 x 12 inches	500 pieces
10 x 14 inches	500 pieces
12 x 16 inches	500 pieces
16 x 24 inches	500 pieces

# **03**Smooth bags for cooking



## Cook sous-vide and get the best from your products

#### Vacuum sealing is not just for preserving prepared foods.

In Orved's Research and Development Center, in collaboration with sous-vide cooking specialists, vacuum cooking bags have been developed. These materials are suitable for prolonged cooking (in water or steam oven), pasteurization, and sterilization, as well as refrigeration and regeneration before serving, ensuring no material transfer to the packaged product.

#### **OPERATING TEMPERATURES AND TIMES:**

MIN: **32°F** 

MAX: 185°F-72h | 212°F-4h | 249.8°F-30'

#### FOR COOKING AND REGENERATION IN:

FOR STORAGE IN:



Water bath



Steam oven

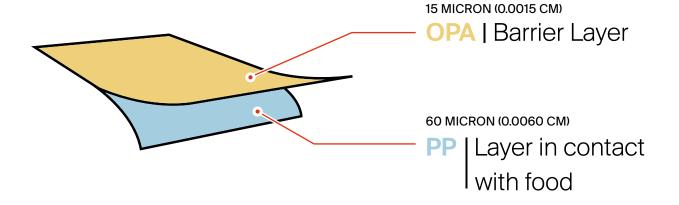


Pantry





## Film Composition: OPA/PP 15/60





## Technical characteristics

PROPERTY	DIN METHOD	UNIT	VALUE
Total Thickness	DIN 53370	μm	75 ± 3%
Breaking Load	ASTM D 882	md (% ld) td (% cd)	%ld=100+/-30 %cd=115+/-30
Water Vapor Transmission	DIN 53122	g/mq/24h/38°/90%r.h./1 bar	< 5,5
Oxygen Permeability	DIN 53380	cc/mq/24h/23°/50%r.h./1 bar	< 30
Minimum Refrigeration Temperature	-	°F	32°F
Temperature and Heating Time	-	°F h	185°F-72h / 212°F-4h 248.9°F-30'

DIMENSIONS	QTY PER CARTON
6 x 8 inches	1.000 pieces
6 x 10 inches	1.000 pieces
6 x 12 inches	1.000 pieces
8 x 10 inches	1.000 pieces
8 x 12 inches	1.000 pieces

DIMENSIONS	QTY PER CARTON
10 x 12 inches	500 pieces
10 x 12 inches	500 pieces
10 x 14 inches	500 pieces
12 x 16 inches	500 pieces
14 x 20 inches	500 pieces
16 x 24 inches	500 pieces

# **04**Smooth bags for storage TYPE 150



# Don't throw away food, store it vacuum sealed and support the environment

Smooth storage bags are ideal for extending the shelf life of any product, even the most angular. Available in various sizes to meet every need.

Each bag is made using films from the highest quality polymers, and the lamination process ensures maximum resistance and vacuum durability.

GUIDE TO READING LABELS: PAG. 26

#### **OPERATING TEMPERATURES AND TIMES:**

MIN: -13°F

MAX: 158°f - 2h | 212°F - 15'

#### FOR COOKING AND REGENERATION IN:

FOR STORAGE IN:



Water bath



Steam oven



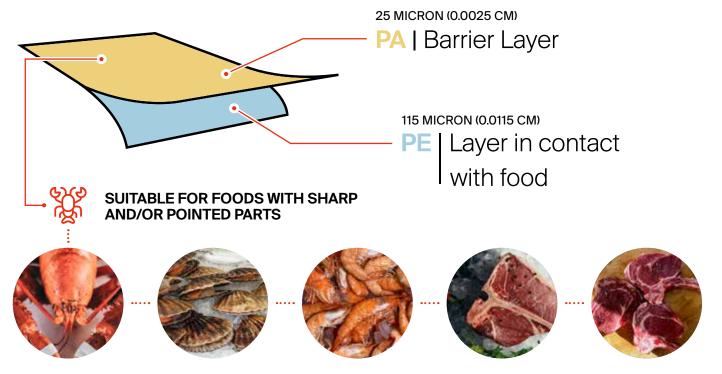
Pantry



Refrigerator



#### PA/PE 25/115





### Technical characteristics

PROPERTY	DIN METHOD	UNIT	VALUE
Total Thickness	DIN 53370	μm	140 ± 10%
Yield Strength	DIN ISO 527-3	ld (N/15 mm)   cd (N/15 mm)	ld ≥ 57   cd ≥ 42
Breaking Load	DIN ISO 527-3	Id (in %)   cd (in %)	ld≥ 200   cd≥ 250
Water Vapor Transmission	Calcolato	g/m²/24h   73.4 +/- 33.8°F   85 +/- 2% r.F./RH	< 3,5
Oxygen Permeability	DIN 53380-3	cc/m2/24h/atm   73.4 +/- 35.6°F   75% r.F./RH	< 30
Nitrogen Permeability	Calculated	cc/m2/24h/atm   73.4 +/- 35.6°F   75% r.F./RH	< 7,5
Carbon Dioxide Permeability	Calculated	cc/m2/24h/atm   73.4 +/- 35.6°F   75% r.F./RH	< 150

Id = longitudinal direction | cd = cross direction

QTY PER CARTON
1.000 pieces
1.000 pieces
1.000 pieces

DIMENSIONS	QTY PER CARTON
10 x 14 inches	800 pieces
12 x 16 inches	500 pieces
16 x 24 inches	300 pieces

## 05

## Smooth Bags for Storage TYPE 95



## Don't throw away food, store it vacuum sealed and support the environment.

Smooth storage bags in PA/PE (polyamide/polyethylene) extend the shelf life of any product, from compact to delicate, thanks to a barrier layer that resists oxygen and water vapor. Suitable for use in refrigerators, freezers, and regeneration in water or steam ovens. They are also available in a wide range of sizes to meet every need.

Each bag is made using films from the highest quality polymers, and the lamination process ensures maximum resistance and vacuum durability.



#### **OPERATING TEMPERATURES AND TIMES:**

MIN: -13°F

MAX: 158°F-2h | 212°F-15'

#### FOR COOKING AND REGENERATION IN:

FOR STORAGE IN:



Water bath



Steam oven



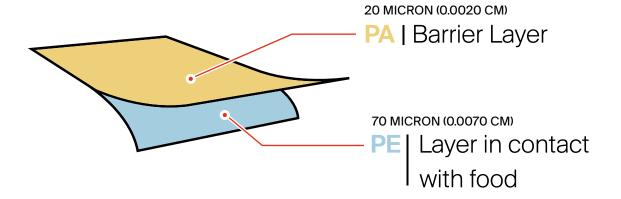
Pantry



Refrigerator



**PA/PE 20/70** 





## Technical characteristics

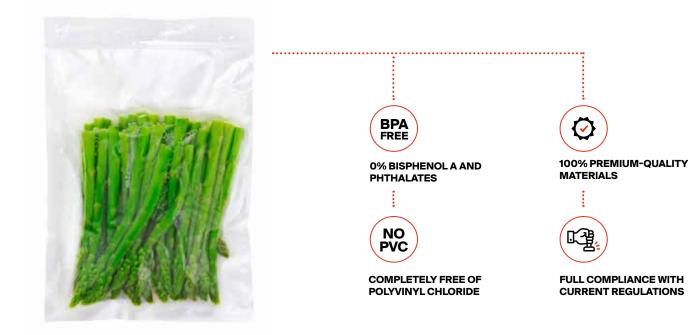
PROPERTY	DIN METHOD	UNIT	VALUE
Total Thickness	DIN 53370	μm	90 ± 3%
Yield Strength	DIN ISO 527-3	ld (n/15 mm)   cd (n/15 mm)	ld≥ 45   cd≥ 35
Breaking Load	DIN ISO 527-3	ld (in %)   cd (in %)	ld ≥ 200   cd ≥ 250
Water Vapor Transmission	Calculated	g / m² / 24h	< 4
Oxygen Permeability	DIN 53380-3	cm³ /(m² * 24h * atm) - (73.4 ±35.6)°F - 0 % r.f./rh	< 55
Nitrogen Permeability	Calculated	cm³ /(m² * 24h * atm)	< 14
Carbon Dioxide Permeability	Calculated	cm <sup>3</sup> /(m <sup>2</sup> * 24h * atm)	< 275

**Id** = longitudinal direction | **cd** = cross direction

DIMENSIONS	QTY PER CARTON
6 x 8,6 inches	1.000 pieces
6 x 8 inches	1.000 pieces
6 x 12 inches	1.000 pieces
6 x 9 inches	1.000 pieces
6,6 x 10 inches	1.000 pieces
7 x 11 inches	1.000 pieces
8 x 10 inches	1.000 pieces
8 x 12 inches	1.000 pieces
8 x 14 inches	1.000 pieces
8 x 16 inches	1.000 pieces
10 x 12 inches	1.000 pieces
10 x 14 inches	1.000 pieces

DIMENSIONS	QTY PER CARTON
10 x 16 inches	1.000 pieces
10 x 28 inches	500 pieces
12 x 16 inches	500 pieces
12 x 18 inches	500 pieces
12 x 20 inches	500 pieces
14 x 16 inches	500 pieces
14 x 18 inches	500 pieces
14 x 20 inches	500 pieces
16 x 20 inches	500 pieces
16 x 24 inches	400 pieces
18 x 24 inches	400 pieces
20 x 28 inches	300 pieces

# **06**Smooth bags for storage T10



## Don't throw away food, store it vacuum sealed and support the environment.

Smooth storage bags in PA/PE (polyamide/polyethylene) extend the shelf life of any product, from delicate to compact. Available in different sizes and ideal for large-scale production.

Each bag is made using films from the highest quality polymers, and the lamination process ensures maximum resistance and vacuum durability.



#### **OPERATING TEMPERATURES AND TIMES:**

MIN: -13°F

MAX: 158°F-2h | 212°F-15'

#### FOR COOKING AND REGENERATION IN:

FOR STORAGE IN:



Water bath



Steam oven



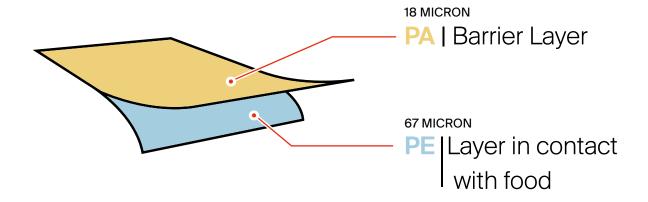
Pantry



Refrigerator



#### **PA/PE 18/67**





## Technical characteristics

PROPERTY	DIN METHOD	UNIT	VALUE
Total Thickness	DIN 53370	μm	85 ± 10%
Yield Strength	DIN 55529	ld (N/15 mm) cd (N/15 mm)	ld ≥ 45 cd ≥ 35
Breaking Load	DIN EN ISO	ld (in %) cd (in %)	ld≥ 200 cd≥ 250
Water Vapor Transmission	DIN 53122	g/m²/24h   73.4 +/- 33,8°F   85 +/- 2% r.F./RH	≤4
Oxygen Permeability	DIN 53380-3	cc/m2/24h/atm   73.4 +/- 35.6°F   75% r.F./RH	≤ 55
Nitrogen Permeability	Calculated	cc/m2/24h/atm   73.4 +/- 35.6°F   75% r.F./RH	<14
Carbon Dioxide Permeability	Calculated	cc/m2/24h/atm   73.4 +/- 35.6°F   75% r.F./RH	< 275

Id = longitudinal direction | cd = cross direction

DIMENSIONS	QTY PER CARTON
6 x 12 inches	1.000 pieces
6.5 x 10 inches	1.000 pieces
8 x 10 inches	1.000 pieces
8 x 12 inches	1.000 pieces
8 x 14 inches	1.000 pieces
8 x 16 inches	1.000 pieces
8 x 20 inches	500 pieces

DIMENSIONS	QTY PER CARTON
10 x 14 inches	1.000 pieces
10 x 16 inches	1.000 pieces
12 x 16 inches	500 pieces
14 x 16 inches	500 pieces
16 x 20 inches	500 pieces
16 x 24 inches	400 pieces

# **07** Embossed bags for storage



## No waste, even with larger sizes.

Embossed vacuum bags are ideal for extended preservation, maintaining the hygiene and freshness of solid and dry products, suitable for external vacuum machines or large-sized products with chamber vacuum sealers.

The unique Orved embossing, with small diamond-shaped cells on one side, ensures maximum air extraction.

The resulting vacuum is excellent and every product will be perfectly preserved for longer.



#### **OPERATING TEMPERATURES AND TIMES:**

MIN: -13°F

MAX: 158°F-2h | 212°F-15'

#### FOR COOKING AND REGENERATION IN:

FOR STORAGE IN:



Water bath



Steam oven



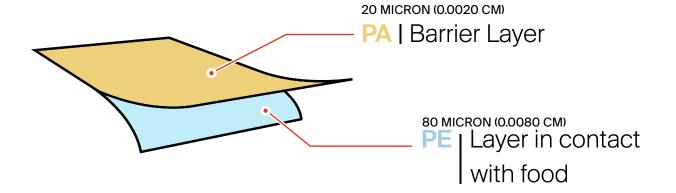
Pantry



Refrigerator



#### PA/PE 20/80



## Grooves for total air extraction



### Technical characteristics

PROPERTY	DIN METHOD	UNIT	VALUE
Total Thickness	DIN 53370	μт	100 ± 3%
Yield Strength	DIN ISO 527-3	ld (N/15 mm)   cd (N/15 mm)	ld≥ 45   cd≥ 35
Breaking Load	DIN ISO 527-3	ld (in %)   cd (in %)	ld≥ 200   cd≥ 250
Water Vapor Transmission	Calculated	g / m² / 24h	< 4
Oxygen Permeability	DIN 53380-3	cm³ /(m² * 24h * atm) - (73.4 ±35.6)°F - 0 % r.F./RH	< 50
Nitrogen Permeability	Calculated	cm³ /(m² * 24h * atm)	< 12,5
Carbon Dioxide Permeability	Calculated	cm³ /(m² * 24h * atm)	< 250

Id = longitudinal direction | cd = cross direction

DIMENSIONS	QTY PER CARTON
5 x 8 inches	4.000 pieces
6 x 10 inches	2.500 pieces
6 x 12 inches	2.000 pieces
6 x 16 inches	1.600 pieces
6.5 x 10 inches	2.500 pieces
7 x 12 inches	1.800 pieces
8 x 10 inches	1.800 pieces
8 x 12 inches	1.600 pieces
8 x 14 inches	1.200 pieces
8 x1 6 inches	1.200 pieces
8 x 18 inches	1.000 pieces

DIMENSIONS	QTY PER CARTON
10 x 12 inches	1.200 pieces
10 x 14 inches	1.000 pieces
10 x 16 inches	900 pieces
10 x 18 inches	700 pieces
10 x 24 inches	600 pieces
12 x 16 inches	800 pieces
12 x 18 inches	600 pieces
12 x 20 inches	500 pieces
14 x 18 inches	500 pieces
16 x 20 inches	400 pieces
16 x 24 inches	400 pieces

## 08

## Embossed bags for storage T10



## No waste, even with larger sizes.

Embossed vacuum bags are ideal for long-life storage. They maintain the hygiene and freshness of solid and dry products with the use of external extraction vacuum packaging machines or for large-sized products, with chamber vacuum packaging machines. They are suitable for large sizes.

The unique Orved embossing, with small diamond-shaped cells on one side, ensures maximum air extraction.

The resulting vacuum is excellent and every product will be perfectly preserved for longer.



#### **OPERATING TEMPERATURES AND TIMES:**

MIN: -13°F

MAX: 150°F-2h | 212°F-15'

#### FOR COOKING AND REGENERATION IN:

FOR STORAGE IN:



Water bath



Steam oven



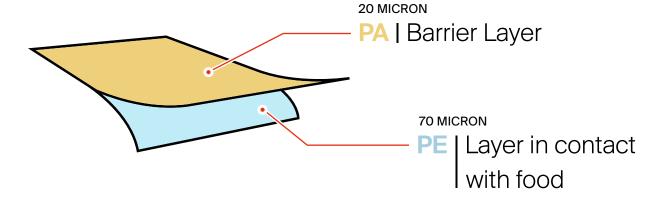








#### **PA/PE 20/70**



## Grooves for total air extraction



### Technical characteristics

PROPERTY	DIN METHOD	UNIT	VALUE
Total Thickness	DIN 53370	μm	90 ± 10%
Yield Strength	DIN 55529	ld (N/15 mm) cd (N/15 mm)	ld ≥ 45 cd ≥ 35
Breaking Load	DIN EN ISO	ld (in %) cd (in %)	ld≥ 200 cd≥ 250
Water Vapor Transmission	DIN 53122	g/m²/24h   73.4 +/- 33.8°F   85 +/- 2% r.F./RH	≤4
Oxygen Permeability	DIN 53380-3	cc/m2/24h/atm   73.4 +/- 35.6°F   75% r.F./RH	≤ 55
Nitrogen Permeability	Calculated	cc/m2/24h/atm   73.4 +/- 35.6°F   75% r.F./RH	<14
Carbon Dioxide Permeability	Calculated	cc/m2/24h/atm   73.4 +/- 35.6°F   75% r.F./RH	< 275

 $\mathbf{Id} = \text{longitudinal direction} \mid \mathbf{cd} = \text{cross direction}$ 

DIMENSIONS	QTY PER CARTON
5 x 8 inches	4.000 pieces
6 x 12 inches	2.000 pieces
6 x 16 inches	1.600 pieces
7 x 10 inches	2.500 pieces
7 x 12 inches	1.800 pieces
8 x 10 inches	1.800 pieces
8 x 12 inches	1.600 pieces
8 x 14 inches	1.200 pieces
	·

DIMENSIONS	QTY PER CARTON
10 x 14 inches	1.000 pieces
8 x 16 inches	1.200 pieces
10 x 16 inches	900 pieces
10 x 18 inches	700 pieces
12 x 16 inches	800 pieces
12 x 18 inches	600 pieces
14 x 20 inches	400 pieces
16 x 24 inches	400 pieces

# **09**Embossed rolls for storage



## Versatile Sizes, No Waste

Embossed vacuum rolls are ideal for extended preservation, maintaining hygiene and freshness of solid and dry products using external vacuum sealers.

With embossed rolls, you choose the bag length, perfect for storing even large products ready for use at any moment.

GUIDE TO READING LABELS: PAG. 26

#### **OPERATING TEMPERATURES AND TIMES:**

MIN: -13°F

MAX: 158°F-2h | 212°F-15'

#### FOR COOKING AND REGENERATION IN:

FOR STORAGE IN:



Water bath



Steam oven



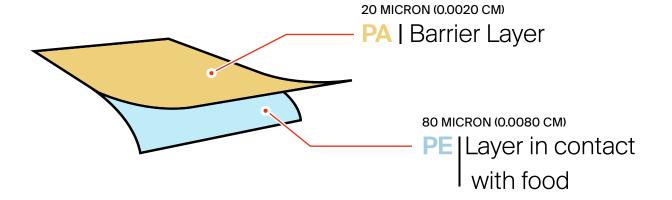
Pantry



Refrigerator



**PA/PE 20/80** 



## Grooves for total air extraction



### Technical characteristics

PROPERTY	DIN METHOD	UNIT	VALUE
Total Thickness	DIN 53370	μm	100 ± 3%
Yield Strength	DIN ISO 527-3	Id (N/15 mm)   cd (N/15 mm)	ld≥ 45   cd≥ 35
Breaking Load	DIN ISO 527-3	ld (in %)   cd (in %)	Id ≥ 200   cd ≥ 250
Water Vapor Transmission	Calculated	g / m² / 24h	<4
Oxygen Permeability	DIN 53380-3	cm <sup>3</sup> /(m <sup>2</sup> * 24h * atm) - (73.4 ±35.6)°F - 0 % r.F./RH	< 55
Nitrogen Permeability	Calculated	cm <sup>3</sup> /(m <sup>2</sup> * 24h * atm)	< 12
Carbon Dioxide Permeability	Calculated	cm³ /(m² * 24h * atm)	<250

Id = longitudinal direction | cd = cross direction

### **Available Sizes**

DIMENSIONS	QTY PER CARTON	
12 x 237 inches	50 pieces	
8 x 237 inches	50 pieces	

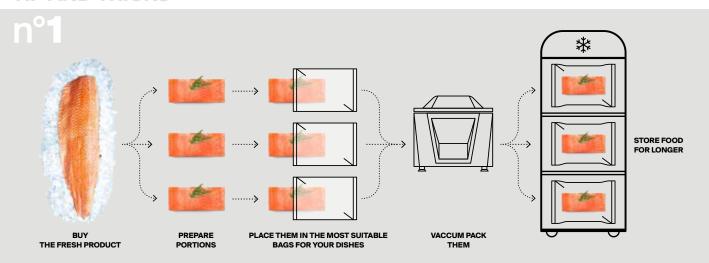
## WE RECOMMEND THE WIDTH WHILE YOU CHOOSE THE LENGTH!

		237 inches
z incnes	$\rightarrow$	
<u> </u>	$\rightarrow$	
es		237 inches
o incnes	$\rightarrow$	

## Technical overview

	RECYCLABLE BAG	COOK & CHILL BAG	SMOOTH COOKING BAG	SMOOTH STORAGE BAG TYPE 150
CODE	01	02	03	04
Max. usage temp.	185°F - 2h 212°C - 30'	185 °F - 72h 249.8 °F - 1h	185°F - 72h 212°C - 4h 249.8 °F - 30'	158°F - 2h 212°F - 15'
Min. usage temp.	-13°F	-40°F	32°F	-13°F
Film composition	PE/EVOH/PP	OPA/PE	OPA/PP	PA/PE
Total thickness	80 μm ± 10%	85 μm ± 10%	75 μm ± 3%	140 μm ± 10%
Machine type	Chamber vacuum packaging	Chamber vacuum packaging	Chamber vacuum packaging	Chamber vacuum packaging
Finish				

#### **TIP AND TRICKS**



SMOOTH STORAGE BAG TYPE 95	SMOOTH STORAGE BAG T10	EMBOSSED STORAGE BAG	EMBOSSED STORAGE BAG T10	EMBOSSED STORAGE ROLL
05	06	07	08	09
158°F - 2h 212°F - 15'	158°F - 2h 212°F - 15'	158°F - 2h 212°F - 15'	158°F - 2h 212°F - 15'	158°F - 2h 212°F - 15'
-13°F	-13°F	-13°F	-13°F	-13°F
PA/PE	PA/PE	PA/PE	PA/PE	PA/PE
90 μm ± 3%	85 μm ± 10%	100 μm ± 3%	90 μm ± 10%	100 μm ± 3%
Chamber vacuum packaging	Chamber vacuum packaging	External extraction vacuum packaging	External extraction vacuum packaging	External extraction vacuum packaging

#### **TIP AND TRICKS**

n°2

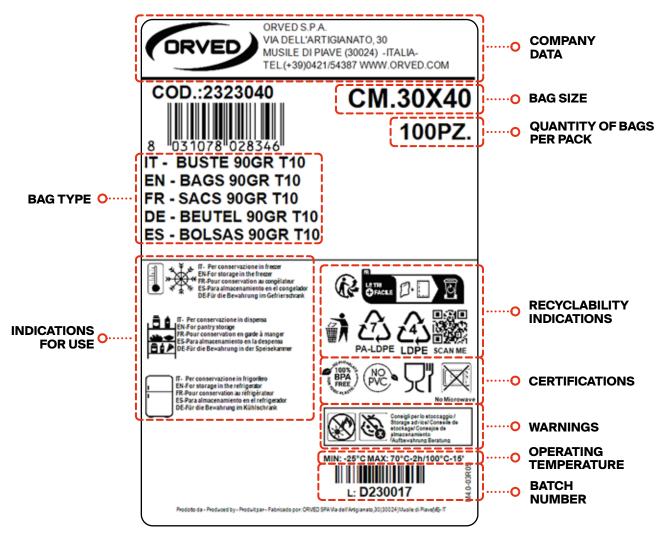


#### **SV THERMO**

# The technique to radically change your kitchen.

The advantages of sous-vide are not merely limited to the preservation of the product but are also extended to the preparation of the final dish. This technique in fact becomes a precious ally of the chef in the kitchen.

# The label has a lot to say (too)



(image for illustration purposes only)



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Company with quality management system certified by DNV ISO 9001.



www.orved.com