

**USTR 3963** 

# Packaging Materials used with Pall Single-Use Systems, Filtration Products and Equipment Primary, Secondary, Tertiary

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#### Introduction

# Packaging Materials Compliance to European Commission Decision 129/97/EC and Italian Legislative Decree No. 116/2020

European Commission Decision 129/97/EC establishes an identification system for packaging materials pursuant to European Parliament and Council Directive 94/62/EC on packaging and packaging waste. This document is intended to provide details on the primary, secondary, and tertiary packaging used with Pall Single-use Systems and filtration products and equipment to assist customers in processing these materials.

Please also be advised that it is our goal to reduce our waste footprint and increase sustainability.

#### **Definitions**

#### Primary packaging

Primary packaging are the packaging materials which are in direct contact with our products. This packaging is used to contain the product and/or preserve the product. Within Single-use Systems we define all packaging materials which enter cleanrooms as primary packaging materials.

#### Secondary packaging

Secondary packaging is the middle layer of our packaging that protects the primary packaging. In most cases, secondary packaging is the unit-size packaging in which the products are sent, e.g., corrugated boxes, labels, tape (to close the boxes), bubble foil, etc.

#### **Tertiary Packaging**

Tertiary packaging is the pallet or transit packaging. It is used to transport larger numbers of goods safely and securely to their global destinations. For our purposes, tertiary packaging is all packaging related to shipping our products on pallets, e.g., the pallet or crate, stretch foil, send labels, etc.

#### **Packaging Tables**

Tables 1 - 4 are organized by product type and provide details on the primary, secondary, and tertiary packaging used. The coding in the tables corresponds to the requirements of the commission decision and the Italian Legislative Decree No. 116/2020.

- Table 1 Packaging for Pall Single-Use Technology Systems.
- Table 2 Packaging for Pall Filters.
- Table 3 Packaging Pall Filter Systems Equipment.
- Table 4 Packaging for PASS (Pall Advanced Separation Systems).
- Table 5 Reference Notes.

Packaging for Pall Single-Use Technology Systems.

Packaging	Description	Material	Logo on the Packaging Item	Symbol	Plastic Material Code	% Recycled Content or FSC
	Protective bags	Low density polyethylene (LDPE)	No			
	Foam	Closed cell foam	No	PE-LD	4	0%
Dains on a	Elongated air cushioning	LDPE with nylon layer	No	Δ	N/A	0%
Primary	Protective caps	Silicone	No	٢٠	127	0%
	Packaging bags	LDPE with nylon layer	Yes		N/A	0%
	Label	Vinyl or polyether	No	PVC	3	0%
	Bubble foil	LDPE with nylon layer	Yes	<u>د</u> ې ^	N/A	30%
	Box	Corrugated fiber board	Yes	PAP	N/A	<b>V</b> , <b>S</b> C (1)
Secondary	Foam	Open and closed cell foam	No	Δ	4	0%
	Double sided tape	_		<b>2</b> <sup>04</sup>		
	Transparent tape	LDPE	No	PE-LD	4	30%
	Label	_				$\cap$
	IFU	Paper	No	PAP	N/A	FSC (1)
	Wrapping foil			•		0%
	Top sheet foil	_		04		0%
	Plastic envelope	LDPE	No	PE-LD	4	0%
Tertiary	Corner protectors	Fiber board	No		N/A	FSC (1)
	Pallet sheet	Corrugated	No	PAP	N/A	FSC (1)
	Pallet	HDPE	No		02	100%
		Wood (HT) (2)	No	FOR	N/A	FSC (1)
	Strap	-		Δ	4	100%
	Strap Corners	LDPE	No	PE-LD	4	100%

Packaging for Pall Filters.

Packaging	Description	Material	Logo on the Packaging Item	Symbol	Plastic Material Code	% Recycled Content or FSC
	Protective caps	Silicone	No	Δ	127	0%
Primary	Packaging bags	LDPE with nylon layer	No	٢	<u>N/A</u>	0%
	Label	Vinyl or polyether	No		3	0%
	Bubble wrap	LDPE with nylon layer	Yes		<u>N/A</u>	0%
		Corrugated fiber board	No		<u>N/A</u>	SC (1)
	Box / pallet systems	Duplex	No		<u>N/A</u>	FSC (1)
	(cleanroom)	Corrugated PP	No	PP	5	0%
	End cap	Plastic cap to close off tubes	No		5	0%
Secondary	Inserts	Foam	No	PE-LD	04	0%
		Corrugated fiber board	No	PAP	N/A	FSC (1)
	Transparent tape	PVC	No	PVC	3	30%
	Straps / supports and handles	Nylon straps with metal attachments	No	PA	43	0%
	Label					$\cap$
	Leaflet	Paper	No	PAP	N/A	<b>イ</b> -ン FSC (1)

Packaging	Description	Material	Logo on the Packaging Item	Symbol	Plastic Material Code	% Recycled Content or FSC
	Plastic envelope	LDPE	No	PE-LD	4	0%
	Pallet cones			Δ		$\cap$
	Corner protectors	Fiber board	No	PAP	N/A	<b>イ</b> ーン FSC (1)
	Pallet sheet	Corrugated	No		N/A	∽ FSC (1)
Tertiary		HDPE	No	PE-HD	02	100%
	Pallet	Wood (HT) (2)	No	50 FOR	N/A	FSC (1)
	Metal clamps for straps	_				
	Nylon straps	РА	No	د	43	0%
	Top sheet foil	_		$\Delta$		
	Wrapping foil	LDPE	No	PE-LD	04	0%

### Packaging for Pall Filter Systems Equipment.

Packaging	Description	Material	Logo on the Packaging Item	Symbol	Plastic Material Code	% Recycled Content or FSC
Primary	Wrapping foil (to protect product against moisture)	LDPE	No	PE-LD	04	0%
	Bubble foil	LDPE with nylon layer	Yes		N/A	30%
Secondary	Вох	Corrugated fiber board	Yes	PAP	N/A	FSC (1)
	Foam Tape	Open cell	No No	PE-LD	4	<u> </u>
	Crate	Wood (HT) (2)	No	FOR	N/A	FSC (1)
Tertiary	Label	Paper	No	PAP PAP	N/A	FSC (1)
	Plastic envelope	LDPE	No	PE-LD	04	0%

Packaging for PASS (Pall Advanced Separation Systems).

Packaging	Description	Material	Logo on the Packaging Item	Symbol	Plastic Material Code	% Recycled Content or FSC
Primary	Wrapping foil	LDPE	No		04	0%
	Bubble foil	LDPE	No	PE-LD	04	0%
Secondary	Box	Corrugated fiber board	Yes		N/A	FSC (1)
	Таре	LDPE	No	PE-LD	04	0%
	Crate	Wood (HT) (2)	No	FOR	N/A	<b>J</b> FSC (1)
Tertiary	Wooden pallet	Wood (HT) (2)	No	FOR	N/A	FSC (1)
,, <b>,</b>	Label	Paper	No	PAP	N/A	FSC (1)
	Plastic envelope	LDPE	No	PE-LD	04	0%

### Reference Notes.

No.	Description	Illustration	
(1)	FSC Forest Stewardship Council. All materials used come from responsibly managed, FSC-certified forests. Products with FSC 100% label contribute most directly to our mission to ensure thriving forests for all, forever.	С FSC	
(2)	Most of our pallets are indicated with the ISPM15 sign.	XX - 00000 YY	



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