

DECLARATION OF COMPLIANCE

Supor® Beverage Filter Cartridges

AB Style “W” Code

Cartridge Part Number



This is a guide to the Part Numbering structure only. For specific options, please contact Pall.

Table 1 : Nominal Length

Code	Description
1	254 mm (10")
2	508 mm (20")
3	762 mm (30")
4	1016 mm (40")

Table 2 : Adaptor

Code	Description
3	SOE - single open end with flat end and external 222 O-rings
7	SOE - single open end with fin end and external 226 O-rings
8	SOE - single open end with fin end, plug-in style and external 222 O-rings
28	SOE - single open end with fin end, bayonet lock and external 222 O-rings

Table 3 : O-ring Seal Material

Code	Description
H4	Silicone Elastomer
J	Ethylene Propylene Rubber

The Supor Beverage filter cartridges each use a single layer of Supor polyethersulfone (PES) 0.45 µm filter membrane in a polypropylene filter construction.

Supor Beverage filters are suitable for microbial removal from aqueous-based, slightly alcoholic food and beverage products, such as wine.

An initial flush is recommended prior use.

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 Reference FBDCSBENG
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Mario Basters
 Quality Assurance & Regulatory Affairs Manager
 Pall Filtersystems GmbH

Supor Beverage Filter Cartridges (AB Style “W” Code)

Components

Filter Membrane	One layer of hydrophilic Supor polyethersulfone membrane
Support / Drainage	Polypropylene
Cage / Core	Polypropylene
End Cap and Fin End	Polypropylene
Adaptor	Polypropylene with a stainless steel reinforcing ring as appropriate to design
O-ring Seal	Silicone Elastomer (H4) or Ethylene Propylene Rubber (J)

Declaration

Supor Beverage “W” Code filter cartridges comprise of materials that meet regulatory and legislative requirements and guidelines for food contact in that:

Europe

The “W” Code Supor Beverage filter cartridges meet the requirements for food contact as detailed in European Regulation (EC) Number 1935/2004 in that:

Our suppliers’ information indicates that the polymeric materials used to produce “W” Code Supor Beverage filter cartridges are made from monomers and additives consistent with Annex I of European Regulation (EU) number 10/2011 and its amendments relating to plastic materials and articles intended to come in contact with foodstuffs (excluding seals).

OML and SML migration testing of cartridges employing the same materials of construction as the ‘W’ code Supor Beverage filter, has been performed, and met migration criteria after flushing and in flow conditions. OML tested as AB1SBB7WH4 in:

- Simulant A (10% ethanol) for 2 hours at reflux,
- Simulant B (3% acetic acid) for 2 hours at reflux,
- Simulant C (20% ethanol) for 2 hours at reflux.
- Simulant D1 (ethanol 50%) for 2 days at 60 °C.
- And water up to 70 °C (158 °F).

Note: This product contains materials that are subject to Specific Migration Limit (SML) requirements.

Our supplier states that the Silicone elastomeric seal material used conforms to BfR recommendation XV. Our supplier states that the EPR elastomeric seal material used conforms to BfR recommendation XXI.

French requirements for food contact elastomers (Arrêté of 9th November 1994 amended by order of 5th August 2020) Typical samples of the ‘H4’ (Silicone) and ‘J’ (EPDM) seal material formulations have been tested as BS3601-226 size seals for overall migration. Testing was conducted in distilled water, 3 % acetic acid, 20 % ethanol, 50 % ethanol, and 95 % ethanol under reflux conditions for 4 hours - repeat use. The data obtained with the ‘S’ O-rings, under the test conditions, were well within the limit for all migration fluids tested. The data obtained with the ‘J’ O-rings, under the test conditions, were well within the limit for distilled water, 3 % acetic acid, 20 % ethanol and 50 % ethanol. The ‘J’ O-rings are not suitable for use in fatty foods.

German requirements for food contact elastomers (BfR XV Silicones) Typical samples of the ‘H4’ (Silicone) seal material formulation have been tested as BS3601-226 size seals for overall migration. Testing was conducted in distilled water, 3 % acetic acid, 10 % ethanol, and 95 % ethanol under reflux conditions for 4 hours - repeat use. The data obtained with the ‘S’ O-rings, under the test conditions, were well within the limit for all migration fluids tested.

German requirements for food contact elastomers (BfR XXI Natural and Synthetic Rubber Category 1) Typical samples of the ‘J’ (EPDM) seal material formulation have been tested as BS3601-226 size seals

for overall migration. Testing was conducted in distilled water, 3 % acetic acid, 10 % ethanol, and 95 % ethanol under reflux conditions for 4 hours - repeat use. The data obtained with the 'E' O-rings, under the test conditions, were well within the limit for distilled water, 3 % acetic acid and 10 % ethanol. The 'E' O-rings are not suitable for use in high alcohol or fatty foods. Additionally, our supplier states that this O-ring seal formulation is suitable for food contact use under BfR XXI category 4.

Users should satisfy themselves that these materials are suitable for use in their specific food application.

Mercosur

The materials of construction meet the requirements for food contact as detailed in Reglamento Técnico Mercosur sobre materiales lista positiva de

- monómeros, otras sustancias de partida y polímeros autorizado para la elaboración de envases y equipamientos plásticos in contacto con alimentos, Mercosur/GMC/Res. No. 02/12 y
- aditivos para materiales plásticos destinados a la elaboración de envases y equipamientos in contacto con alimentos, Mercosur/GMC/Res. No. 30/19.

USA

The raw materials of construction meet the FDA requirements for food contact use as detailed in Code of Federal Regulations, 21 CFR paragraphs 170-199 in that:

- Polypropylene to 21 CFR section 177.1520 (Olefin polymers)
- Polyethersulfone resin to 21 CFR section 177.2440 (Polyethersulfone resins)
- Ethylene Propylene Rubber and Silicone Elastomeric seal materials to 21 CFR section 177.2600 (Rubber articles intended for repeated use, excluding milk and edible oils)

In addition, the Supor SBB filter employs a copolymer of polyethylene glycol dimethacrylate, trimethylol methacrylate and 2-hydroxyethyl methacrylate. Filters employing this chemistry in a membrane cartridge for the filtration of beer and wine, have been granted Food Contact Substance Notification FCN 001397, for use as repeat microbial filter intended to clarify beer and wine.

Process Quality System

Site of Manufacture: Pall Filtersystems GmbH, Bad Kreuznach, Germany supplied by Pall Sàrl. Made in Germany.

The Quality Management System at Pall Filtersystems GmbH, Bad Kreuznach, is certified to ISO 9001:2015.

These products / product packaging carry a lot number / date code to facilitate traceability to suppliers' materials and Pall production records.

Pall Filtersystems GmbH confirm that this product is manufactured in line with the principles of food contact materials GMP as detailed in Regulation 2023/2006.

Supplied in Europe by

Pall Sàrl
Av. de Tivoli 3
Fribourg
Switzerland
CH-1700



+1-866-905-7255 **Food and Beverage toll free**
foodandbeverage@pall.com

Corporate Headquarters

Port Washington, NY, USA
+1-800-717-7255 toll free (USA)
+1-516-484-5400 phone

European Headquarters

Fribourg, Switzerland
+41 (0)26 350 53 00 phone

Asia-Pacific Headquarters


Singapore
+65 6389 6500 phone

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Pall Corporation has offices and plants throughout the world. To locate the Pall office or distributor nearest you, visit www.pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use..

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