



# HALAL WATCH WORLD



THE GLOBAL STANDARD IN HALAL CERTIFICATION



## PRODUCT & FACILITY REPORT

### Critical Process Filtration

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# COMPANY BACKGROUND

**Halal Watch World LLC** is a halal certification limited liability corporation based in the state of New York, and has operated in the certification industry since 1990. HWW is an organization that stands upon the trust of the Muslim public, and believes that it is imperative that their trust never be jeopardized. We maintain standards to the highest degree of scrutiny and perform regular audits for the protection of our constituents.

Halal Watch World understands that halal certification is a communal obligation (فرض كفاية), meaning, at least one person of the community must uphold it. If no one takes up this responsibility, the entire community bears a burden of sin. Therefore, we must be extra diligent with this effort. We realize the seriousness of the matter and understand the dire consequences of not filling this duty to the fullest capacity. God explains this to us in the Holy Quran by His statement:

***“ And say not concerning that which your tongue says falsely: 'This is Halal and this is Haram,' so as to invent lies against Allah. Verily, those who invent lies against Allah will never prosper...A passing brief enjoyment (will be theirs), but they will have a painful torment.”***

*[Al Quran] 16:116-117*

HWW ensures to the best of its ability a high level of authenticity is upheld. This allows them to gain the trust of the Muslim community, and garner strong relationships with companies who produce, process, and distribute halal products at all levels. By this, they are able to offer halal producing company's guidance and consultation on the direction of their processes and products, while ensuring that Islamic dietary standards are always maintained and monitored. Muslims can use this information in order to make well informed decisions about what they choose to eat.

**Legal Filings:** Halal Watch World holds registered trademark number 4728733, and Department of State (New York) number 4814343. Halal Watch World is also a registered halal certifying organization with The Department of Agriculture and Markets of New York State (See supporting documentation).

We begin in the name of God SWT



# CERTIFICATION CONSIDERATIONS

There are 4 main factors taken into consideration when determining the halal status of a product:

## **1. Is the product/ingredient Halal Aslan (by default)?**

If the product is Halal by default, then the location it is harvested, produced, or manufactured in, even if done so by a non-Muslim, is not necessary to inspect.

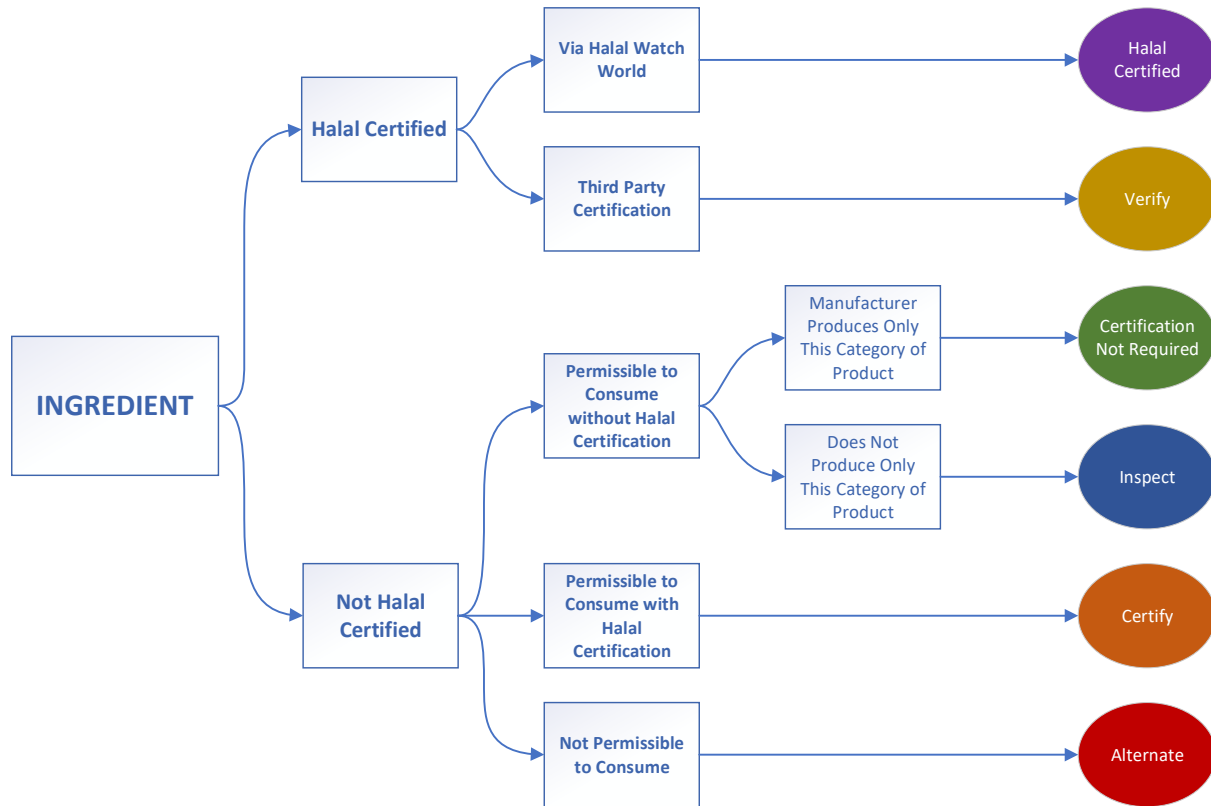
## **2. Is the product/ingredient Halal certified via another organization?**

If another organization certifies the product as Halal, then it is incumbent upon us to perform a *tahqeeq* (verification) certification of the establishment. We must be able to ascertain that the certifying body is competent and capable of determining the status of such products. In the event that we are unable to gain this information, our organization must inspect the location of production before certifying.

## **3. Are there any impermissible ingredients being produced in the same facility?**

As is the norm in Muslim minority societies, manufacturers produce both Halal and Non-Halal products in the same facilities. If other non-Halal items are produced in the same facility, an inspection may be required. In the event that an inspection is not possible, Halal Watch World reserves the right to utilize other forms of off-site audit procedures requiring documentation and the like in order to determine the facilities halal production capabilities. It is generally required for us to determine that the manufacturer prevents the following:

1. Product Contamination
2. Cleaning Method fulfils Islamic requirements
3. Separate storage locations between Halal and non-Halal products, or preventative measures are in place to remove the possibility of mislabelling
4. Halal certified label is visible either on the box or the product
5. Halal certificate from source meat supplier is valid



Regarding contamination, products cannot be cooked upon or within the same utensils without proper cleansing. This means that any liquid substance that interacts with non-halal products becomes contaminated. This includes oil, and other wet cooking surfaces. Thus, if a vat of oil is used to cook non-halal products (which is considered as filth), it cannot be used to cook Halal products without contaminating it.

#### 4. Are there any contents in the product that contain impermissible ingredients?

We refer to the list of impermissible consumables on the previous pages. If the product under audit is found to contain any of the ingredients on the ban list, these products cannot be considered as halal.

# Client Details: Critical Process Filtration

## **FACILITY PROFILE**

Our focus is simple. We strive to be your #1 choice for filtration products by delivering technical expertise and solutions that lead to your success. It's what we've been doing for over 20 years and what we expect to be doing for many more.

<b>GENERAL INFORMATION</b>	
Area of site:	60000
Number of employees:	70
Number of working shift:	2
Operating Hours:	6:30 a.m. - 11 p.m.
Work Days:	Mon - Sat
Total Number of Products:	9
Total Number of Ingredients:	9
<b>FACILITY OVERVIEW</b>	
Risk Assessment	Low Risk
Facility Kind	HPF - Totality
Contaminants	No
Tools	Dedicated
Storage	Segregated
<b>SUPPLIER OVERVIEW</b>	
Supplier1:	Shantou Yalida Filtration Equipment Co
Supplier2:	Advantage Plastic Products
Supplier3:	Monadnock Non Wovens LLC
Supplier4:	Midwest Filtration LLC
Supplier5:	3M
Supplier6:	Midwest Filtration LLC
Supplier7:	Sterling Seal
Supplier8:	Scandia Plastics
Supplier9:	Hudson Poly
<b>PRODUCT OVERVIEW</b>	
Product Type:	Filtration
Exposure:	Goods are opened in facility
Animal Byproducts:	No
Alcohol (Ethyl):	No
Fillers/Additives (Finished product:)	No

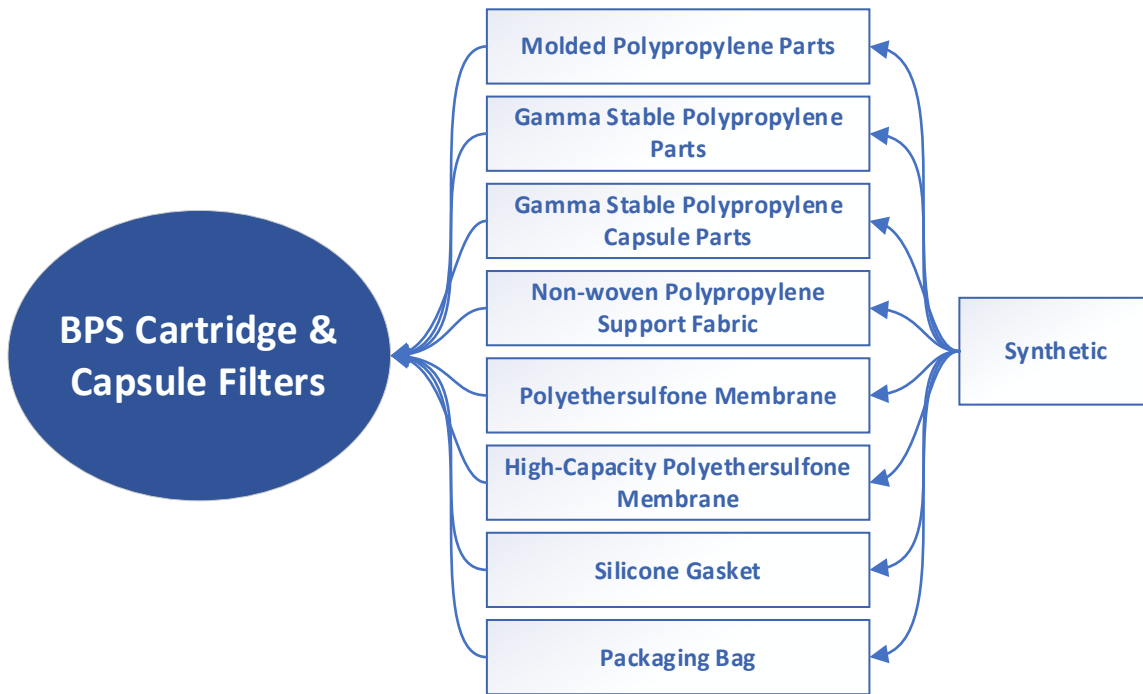
## PRODUCT INFORMATION

Product name	Client product #	HWW Product ID	Ingredients List
BPS Cartridge & Capsule Filters		MR1037-AC01	Molded Polypropylene Parts, Gamma Stable Polypropylene Parts, Gamma Stable Capsule Parts, Non-woven Polypropylene Support Fabric, Polyethersulfone Membrane, High-Capacity Polyethersulfone Membrane, Silicone Gaskets, Packaging Bag
FPS Cartridge & Capsule Filters		MR1037-AC02	Molded Polypropylene Parts, Gamma Stable Polypropylene Parts, Gamma Stable Capsule Parts, Non-woven Polypropylene Support Fabric, Polyethersulfone Membrane, Silicone Gaskets, Packaging Bag
GPS Cartridge & Capsule Filters		MR1037-AC03	Molded Polypropylene Parts, Gamma Stable Capsule Parts, Non-woven Polypropylene Support Fabric, Polyethersulfone Membrane, Silicone Gaskets, Packaging Bag
PPS Cartridge & Capsule Filters		MR1037-AC05	Molded Polypropylene Parts, Gamma Stable Polypropylene Parts, Gamma Stable Capsule Parts, Non-woven Polypropylene Support Fabric, Polyethersulfone Membrane, Silicone Gaskets, Packaging Bag
SPS Cartridge & Capsule Filters		MR1037-AC06	Molded Polypropylene Parts, Gamma Stable Polypropylene Parts, Gamma Stable Capsule Parts, Non-woven Polypropylene Support Fabric, Polyethersulfone Membrane, Silicone Gaskets, Packaging Bag
FPD Cartridge & Capsule Filters		MR1037-AC011	Molded Polypropylene Parts, Gamma Stable Polypropylene Parts, Gamma Stable Capsule Parts, Polypropylene Depth Filtration Media, Non-woven Polypropylene Support Fabric, Silicone Gaskets, Packaging Bag

CPD Cartridge Filters		MR1037-AC012	Molded Polypropylene Parts, Gamma Stable Polypropylene Parts, Gamma Stable Capsule Parts, Polypropylene Depth Filtration Media, Non-woven Polypropylene Support Fabric, Silicone Gaskets, Packaging Bag
GPD Cartridge & Capsule Filters		MR1037-AC013	Molded Polypropylene Parts, Gamma Stable Capsule Parts, Polypropylene Depth Filtration Media, Non-woven Polypropylene Support Fabric, Silicone Gaskets, Packaging Bag
PPD Cartridge & Capsule Filters		MR1037-AC014	Molded Polypropylene Parts, Gamma Stable Polypropylene Parts, Gamma Stable Capsule Parts, Polypropylene Depth Filtration Media, Non-woven Polypropylene Support Fabric, Silicone Gaskets, Packaging Bag

## PRODUCT PROFILE

### BPS Cartridge & Capsule Filters



### BPS Cartridge & Capsule Filters

BPS filters offer single and dual layer Polyethersulfone (PES) cartridge and capsule filters for use with aqueous liquids. Pore sizes range from 0.03 to 1.2  $\mu\text{m}$  and filter sizes scale from laboratory to full production using identical materials to ensure consistent results.

### Ingredient Status

Molded Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>1</sup>

Gamma Stable Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>2</sup>

<sup>1</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>2</sup> <https://en.wikipedia.org/wiki/Polypropylene>

Gamma Stable Polypropylene Capsule Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>3</sup>

Non-woven Polypropylene Support Fabric: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>4</sup>

Polyethersulfone Membrane: – **Halal** (Aslan) Polyethersulfone (PES) membrane for aqueous solutions provides removal of fine particles, bacteria, and fungi making it a versatile membrane for applications such as sample preparation, sterile filtration and infusion therapy. PES is an inherently hydrophilic membrane that wets out quickly and completely resulting in fast filtration with superior flow rates and high throughputs.<sup>5</sup>

High-Capacity Polyethersulfone Membrane: – **Halal** (Aslan) Polyethersulfone (PES) membrane for aqueous solutions provides removal of fine particles, bacteria, and fungi making it a versatile membrane for applications such as sample preparation, sterile filtration and infusion therapy. PES is an inherently hydrophilic membrane that wets out quickly and completely resulting in fast filtration with superior flow rates and high throughputs.<sup>6</sup>

Silicone Gasket: – **Halal** (Aslan) Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.<sup>7</sup>

Packaging Bag: – **Halal** (Aslan) A bag is a common tool in the form of a non-rigid container. The use of bags predates recorded history, with the earliest bags being no more than lengths of animal skin, cotton, or woven plant fibers, folded up at the edges and secured in that shape with strings of the same material.<sup>8</sup>

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<sup>3</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>4</sup> <https://en.wikipedia.org/wiki/Polypropylene>

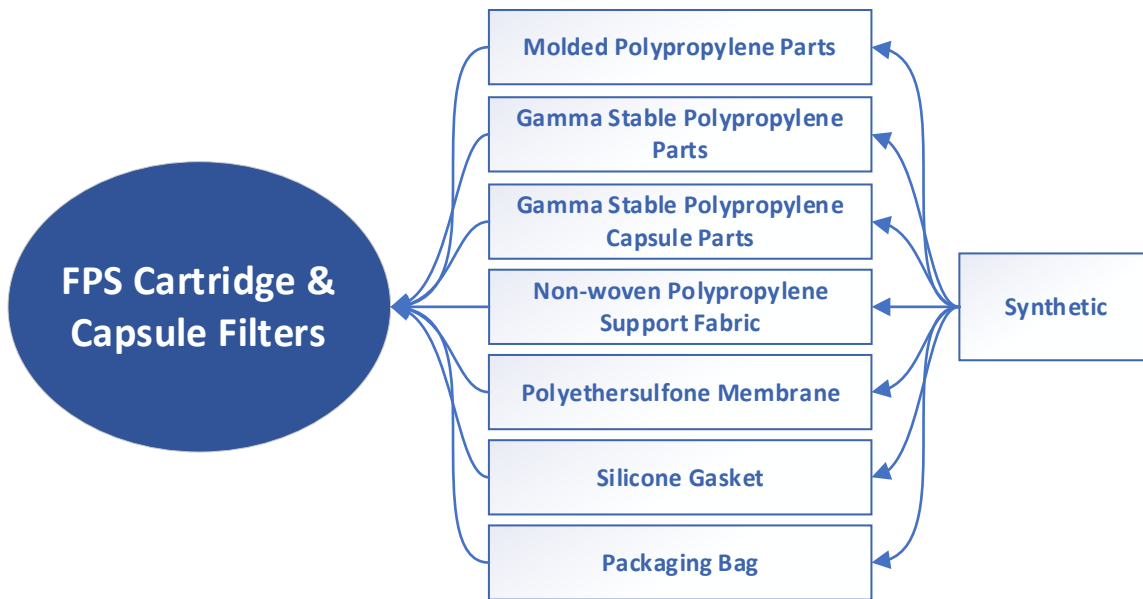
<sup>5</sup> [https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20\(PES\)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.](https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20(PES)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.)

<sup>6</sup> [https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20\(PES\)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.](https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20(PES)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.)

<sup>7</sup> <https://www.martins-rubber.co.uk/blog/silicone-rubber-gaskets/#:~:text=Silicone%20rubber%20gaskets%20are%20high,a%20wide%20range%20of%20applications.>

<sup>8</sup> <https://en.wikipedia.org/wiki/Bag>

## FPS Cartridge & Capsule Filters



### FPS Cartridge & Capsule Filters

FPS filters provide a wide selection of validated, single layer Polyethersulfone (PES) cartridge and capsule filters used for removing bacteria, mold and yeast in aqueous liquids. FPS filters have been designed to comply with all FDA requirements for the food industry. Pore sizes range from 0.03 to 1.2 µm and the filter sizes scale from laboratory to full production using identical materials to ensure consistent results.

### Ingredient Status

Molded Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>9</sup>

Gamma Stable Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>10</sup>

<sup>9</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>10</sup> <https://en.wikipedia.org/wiki/Polypropylene>

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Non-woven Polypropylene Support Fabric: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>12</sup>

Polyethersulfone Membrane: – **Halal** (Aslan) Polyethersulfone (PES) membrane for aqueous solutions provides removal of fine particles, bacteria, and fungi making it a versatile membrane for applications such as sample preparation, sterile filtration and infusion therapy. PES is an inherently hydrophilic membrane that wets out quickly and completely resulting in fast filtration with superior flow rates and high throughputs.<sup>13</sup>

Silicone Gasket: – **Halal** (Aslan) Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.<sup>14</sup>

Packaging Bag: – **Halal** (Aslan) A bag is a common tool in the form of a non-rigid container. The use of bags predates recorded history, with the earliest bags being no more than lengths of animal skin, cotton, or woven plant fibers, folded up at the edges and secured in that shape with strings of the same material.<sup>15</sup>

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<sup>11</sup> <https://en.wikipedia.org/wiki/Polypropylene>

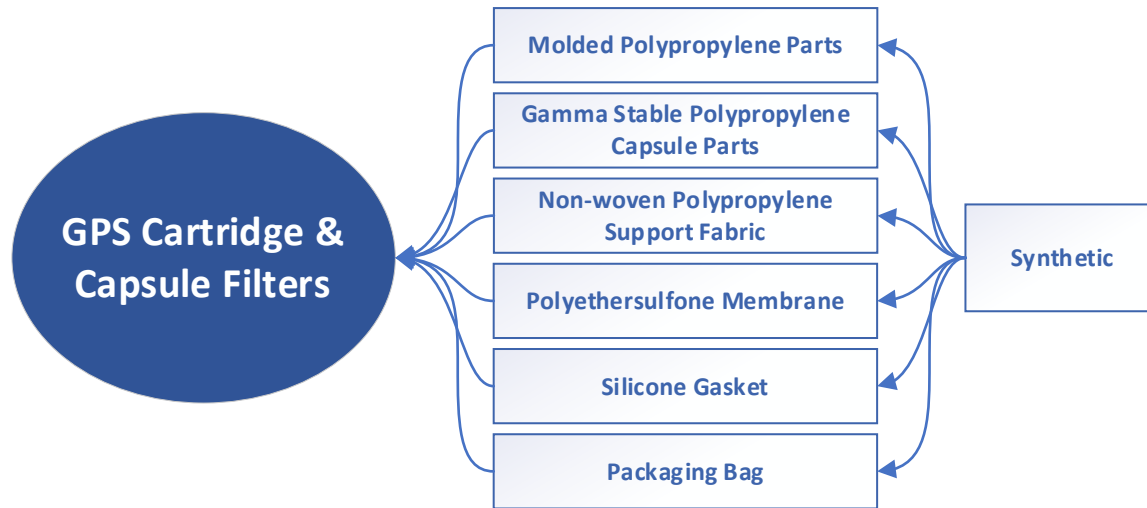
<sup>12</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>13</sup> [https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20\(PES\)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.](https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20(PES)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.)

<sup>14</sup> <https://www.martins-rubber.co.uk/blog/silicone-rubber-gaskets/#:~:text=Silicone%20rubber%20gaskets%20are%20high,a%20wide%20range%20of%20applications.>

<sup>15</sup> <https://en.wikipedia.org/wiki/Bag>

## GPS Cartridge & Capsule Filters



### GPS Cartridge & Capsule Filters

GPS cartridge and capsule filters are made with a single layer Polyethersulfone (PES) membrane. They are used for the filtration of aqueous fluids. Pore sizes range from 0.03 to 1.2  $\mu\text{m}$ . These hydrophilic filters have low binding characteristics, making them an ideal choice for filtering products with components that adsorb to filter media. GPS filters deliver high flow and throughput.

#### Ingredient Status

Molded Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>16</sup>

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<sup>16</sup> <https://en.wikipedia.org/wiki/Polypropylene>

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Non-woven Polypropylene Support Fabric: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>18</sup>

Polyethersulfone Membrane: – **Halal** (Aslan) Polyethersulfone (PES) membrane for aqueous solutions provides removal of fine particles, bacteria, and fungi making it a versatile membrane for applications such as sample preparation, sterile filtration and infusion therapy. PES is an inherently hydrophilic membrane that wets out quickly and completely resulting in fast filtration with superior flow rates and high throughputs.<sup>19</sup>

Silicone Gasket: – **Halal** (Aslan) Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.<sup>20</sup>

Packaging Bag: – **Halal** (Aslan) A bag is a common tool in the form of a non-rigid container. The use of bags predates recorded history, with the earliest bags being no more than lengths of animal skin, cotton, or woven plant fibers, folded up at the edges and secured in that shape with strings of the same material.<sup>21</sup>

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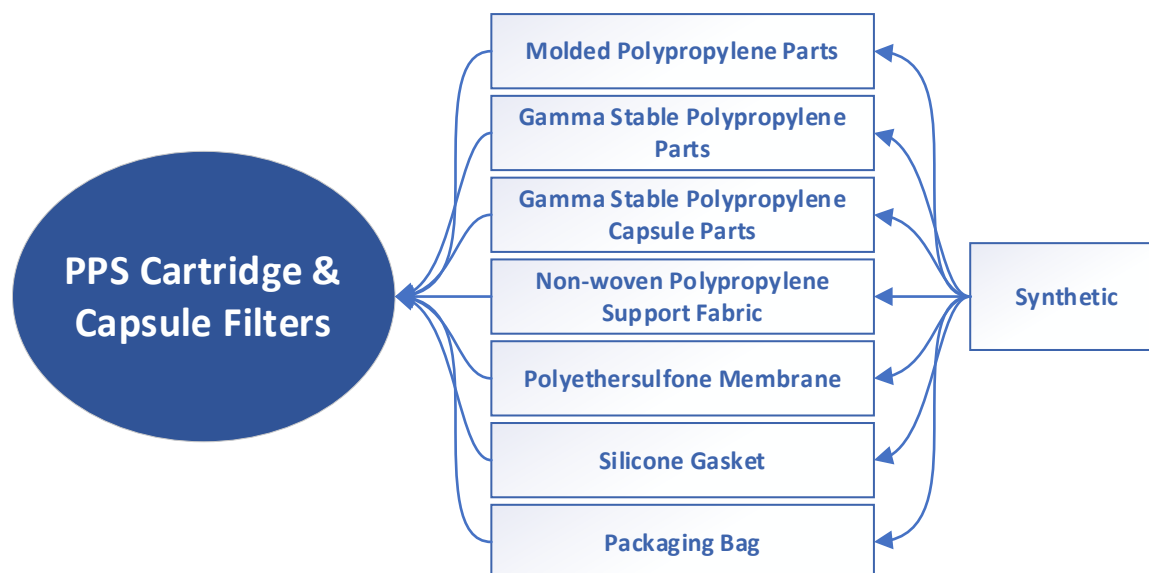
<sup>18</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>19</sup> [https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20\(PES\)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.](https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20(PES)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.)

<sup>20</sup> <https://www.martins-rubber.co.uk/blog/silicone-rubber-gaskets/#:~:text=Silicone%20rubber%20gaskets%20are%20high,a%20wide%20range%20of%20applications.>

<sup>21</sup> <https://en.wikipedia.org/wiki/Bag>

## PPS Cartridge & Capsule Filters



### PPS Cartridge & Capsule Filters

Employed in the most stringent and critical applications, PPS filters are constructed with a double layered Polyethersulfone (PES) membrane for sterilizing aqueous liquids. PPS filters are validated and available in cartridge and capsule models. Pore sizes range from 0.03 to 1.2  $\mu\text{m}$  and the filter sizes scale from laboratory to full production using identical materials to ensure consistent results.

### Ingredient Status

Molded Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>22</sup>

Gamma Stable Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>23</sup>

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Non-woven Polypropylene Support Fabric: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>25</sup>

Polyethersulfone Membrane: – **Halal** (Aslan) Polyethersulfone (PES) membrane for aqueous solutions provides removal of fine particles, bacteria, and fungi making it a versatile membrane for applications such as sample preparation, sterile filtration and infusion therapy. PES is an inherently hydrophilic membrane that wets out quickly and completely resulting in fast filtration with superior flow rates and high throughputs.<sup>26</sup>

Silicone Gasket: – **Halal** (Aslan) Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.<sup>27</sup>

Packaging Bag: – **Halal** (Aslan) A bag is a common tool in the form of a non-rigid container. The use of bags predates recorded history, with the earliest bags being no more than lengths of animal skin, cotton, or woven plant fibers, folded up at the edges and secured in that shape with strings of the same material.<sup>28</sup>

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<sup>24</sup> <https://en.wikipedia.org/wiki/Polypropylene>

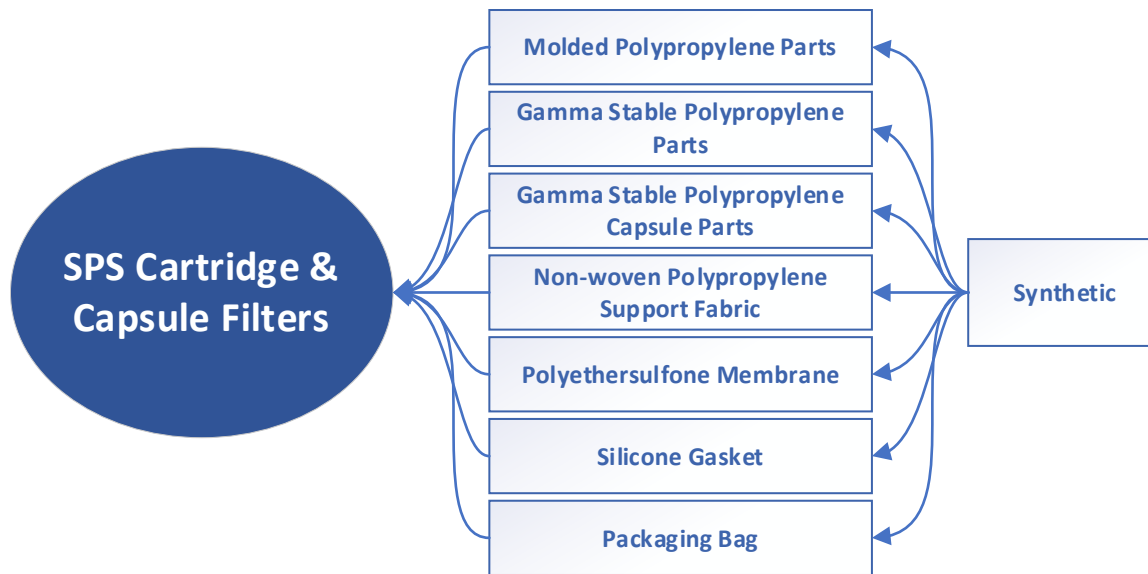
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<sup>26</sup> [https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20\(PES\)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.](https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20(PES)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.)

<sup>27</sup> <https://www.martins-rubber.co.uk/blog/silicone-rubber-gaskets/#:~:text=Silicone%20rubber%20gaskets%20are%20high,a%20wide%20range%20of%20applications.>

<sup>28</sup> <https://en.wikipedia.org/wiki/Bag>

## SPS Cartridge & Capsule Filters



### SPS Cartridge & Capsule Filters

SPS Filters provide a wide selection of validated, single layer Polyethersulfone (PES) cartridge and capsule filters used for the sterilizing of aqueous liquids. Pore sizes range from 0.03 to 1.2  $\mu\text{m}$  and the filter sizes scale from laboratory to full production using identical materials to ensure consistent results.

### Ingredient Status

Molded Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>29</sup>

Gamma Stable Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>30</sup>

<sup>29</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>30</sup> <https://en.wikipedia.org/wiki/Polypropylene>

Gamma Stable Polypropylene Capsule Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>31</sup>

Non-woven Polypropylene Support Fabric: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>32</sup>

Polyethersulfone Membrane: – **Halal** (Aslan) Polyethersulfone (PES) membrane for aqueous solutions provides removal of fine particles, bacteria, and fungi making it a versatile membrane for applications such as sample preparation, sterile filtration and infusion therapy. PES is an inherently hydrophilic membrane that wets out quickly and completely resulting in fast filtration with superior flow rates and high throughputs.<sup>33</sup>

Silicone Gasket: – **Halal** (Aslan) Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.<sup>34</sup>

Packaging Bag: – **Halal** (Aslan) A bag is a common tool in the form of a non-rigid container. The use of bags predates recorded history, with the earliest bags being no more than lengths of animal skin, cotton, or woven plant fibers, folded up at the edges and secured in that shape with strings of the same material.<sup>35</sup>

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<sup>31</sup> <https://en.wikipedia.org/wiki/Polypropylene>

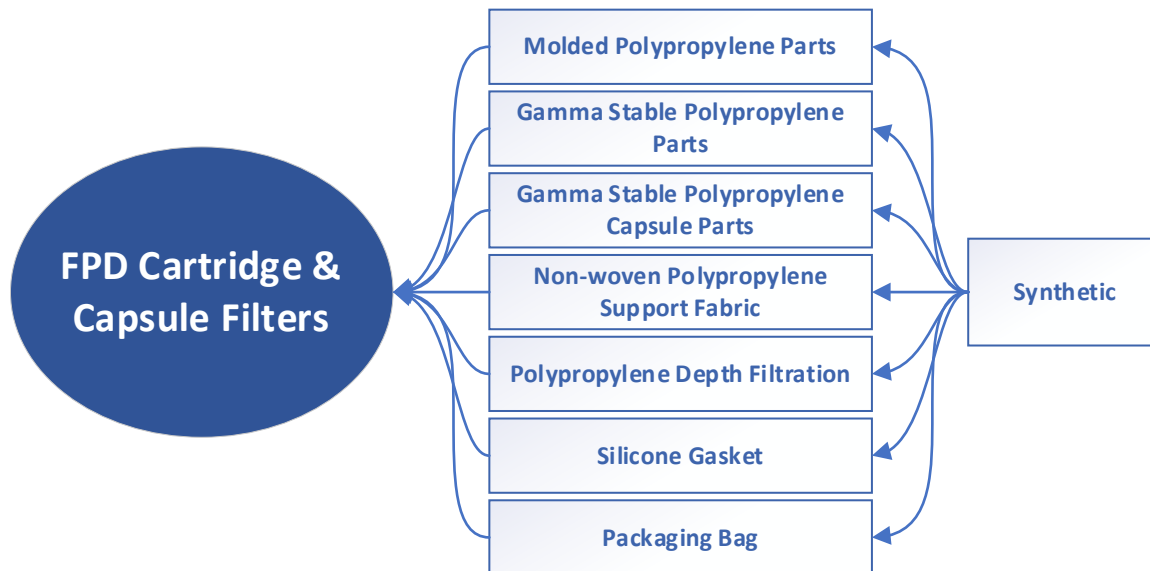
<sup>32</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>33</sup> [https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20\(PES\)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.](https://shop.pall.com/us/en/medical/infusion-therapy/oem-manufacturing/zidgri78lte#:~:text=Polyethersulfone%20(PES)%20membrane%20for%20aqueous,sterile%20filtration%20and%20infusion%20therapy.)

<sup>34</sup> <https://www.martins-rubber.co.uk/blog/silicone-rubber-gaskets/#:~:text=Silicone%20rubber%20gaskets%20are%20high,a%20wide%20range%20of%20applications.>

<sup>35</sup> <https://en.wikipedia.org/wiki/Bag>

## FPD Cartridge & Capsule Filters



### FPD Cartridge & Capsule Filters

FPD cartridge and capsule filters are constructed with pleated Polypropylene depth media and designed to comply with all FDA requirements for the food industry. FPD filters are used for wine and beer clarification, as well as prefiltering and clarifying water, food ingredients, cosmetics, chemicals, air and gases. Pore sizes range from 0.10 to 100 µm and filter sizes scale from laboratory to full production using identical materials to ensure consistent results.

### Ingredient Status

Molded Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>36</sup>

Gamma Stable Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to

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<sup>36</sup> <https://en.wikipedia.org/wiki/Polypropylene>

polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>37</sup>

Gamma Stable Polypropylene Capsule Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>38</sup>

Non-woven Polypropylene Support Fabric: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>39</sup>

Polypropylene depth filtration media: – **Halal** (Aslan) Depth filters are the variety of filters that use a porous filtration medium to retain particles throughout the medium, rather than just on the surface of the medium. These filters are commonly used when the fluid to be filtered contains a high load of particles because, relative to other types of filters, they can retain a large mass of particles before becoming clogged.<sup>40</sup>

Silicone Gasket: – **Halal** (Aslan) Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.<sup>41</sup>

Packaging Bag: – **Halal** (Aslan) A bag is a common tool in the form of a non-rigid container. The use of bags predates recorded history, with the earliest bags being no more than lengths of animal skin, cotton, or woven plant fibers, folded up at the edges and secured in that shape with strings of the same material.<sup>42</sup>

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<sup>37</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>38</sup> <https://en.wikipedia.org/wiki/Polypropylene>

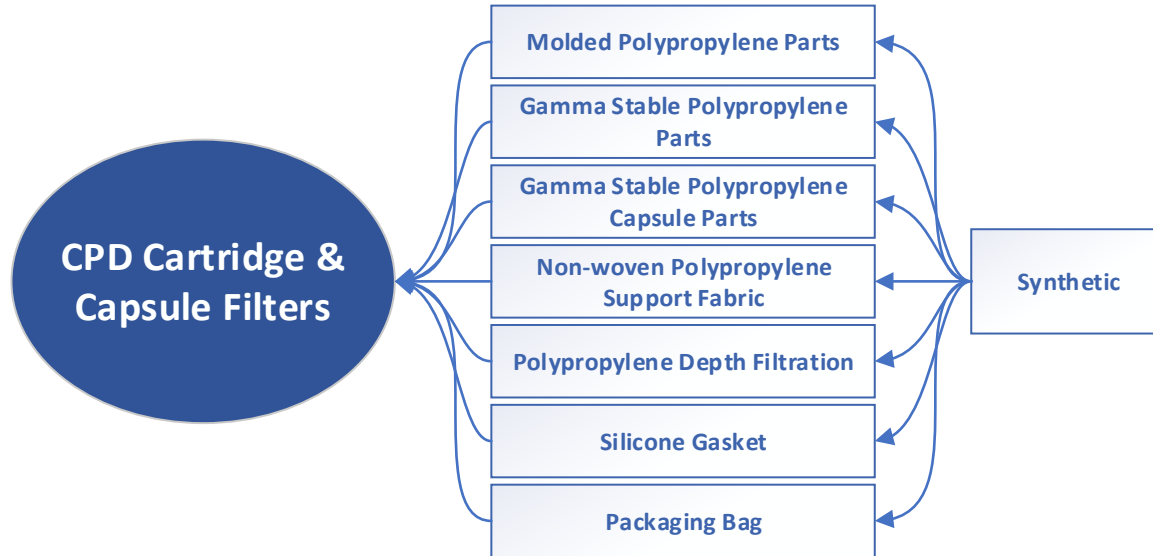
<sup>39</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>40</sup> [https://en.wikipedia.org/wiki/Depth\\_filter](https://en.wikipedia.org/wiki/Depth_filter)

<sup>41</sup> <https://www.martins-rubber.co.uk/blog/silicone-rubber-gaskets/#:~:text=Silicone%20rubber%20gaskets%20are%20high,a%20wide%20range%20of%20applications.>

<sup>42</sup> <https://en.wikipedia.org/wiki/Bag>

## CPD Cartridge & Capsule Filters



### CPD Cartridge & Capsule Filters

Commercial grade CPD pleated polypropylene depth filter cartridges are made using extruded outer cages and a continuous pleat pack for economical construction. The media is high quality polypropylene depth media such as in our standard PD filters, which offers exceptional flow characteristics and high dirt-holding capacity. Fine polypropylene fibers are bonded together to ensure no fiber release in a fiber matrix that maintains high porosity. An economical design and a 99%+ retention efficiency make the CPD filter a cost effective option for water, waste streams and chemical applications.

### Ingredient Status

Molded Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>43</sup>

Gamma Stable Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to

<sup>43</sup> <https://en.wikipedia.org/wiki/Polypropylene>

polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>44</sup>

Gamma Stable Polypropylene Capsule Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>45</sup>

Non-woven Polypropylene Support Fabric: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>46</sup>

Polypropylene depth filtration media: – **Halal** (Aslan) Depth filters are the variety of filters that use a porous filtration medium to retain particles throughout the medium, rather than just on the surface of the medium. These filters are commonly used when the fluid to be filtered contains a high load of particles because, relative to other types of filters, they can retain a large mass of particles before becoming clogged.<sup>47</sup>

Silicone Gasket: – **Halal** (Aslan) Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.<sup>48</sup>

Packaging Bag: – **Halal** (Aslan) A bag is a common tool in the form of a non-rigid container. The use of bags predates recorded history, with the earliest bags being no more than lengths of animal skin, cotton, or woven plant fibers, folded up at the edges and secured in that shape with strings of the same material.<sup>49</sup>

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<sup>44</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>45</sup> <https://en.wikipedia.org/wiki/Polypropylene>

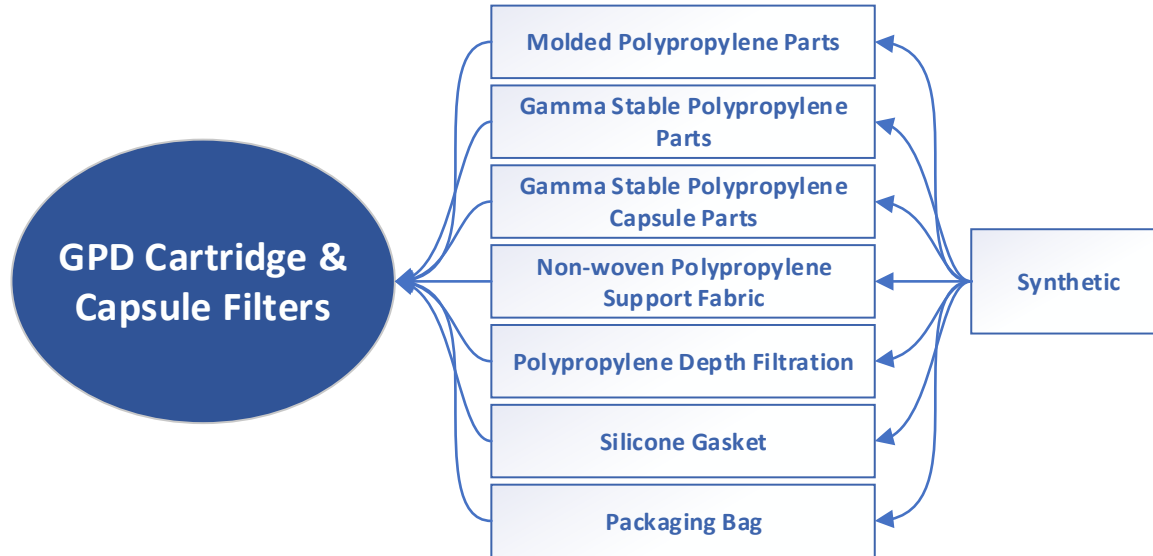
<sup>46</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>47</sup> [https://en.wikipedia.org/wiki/Depth\\_filter](https://en.wikipedia.org/wiki/Depth_filter)

<sup>48</sup> <https://www.martins-rubber.co.uk/blog/silicone-rubber-gaskets/#:~:text=Silicone%20rubber%20gaskets%20are%20high,a%20wide%20range%20of%20applications.>

<sup>49</sup> <https://en.wikipedia.org/wiki/Bag>

## GPD Cartridge & Capsule Filters



### GPD Cartridge & Capsule Filters

GPD cartridge and capsule filters are constructed with pleated polypropylene depth media for prefiltering water, chemicals and solvents. These hydrophilic filters have high retention and protect downstream filters by removing large amounts of particulates and other contaminants. Pore sizes range from 0.10 to 100 µm.

#### Ingredient Status

Molded Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>50</sup>

Gamma Stable Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>51</sup>

<sup>50</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>51</sup> <https://en.wikipedia.org/wiki/Polypropylene>

Gamma Stable Polypropylene Capsule Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>52</sup>

Non-woven Polypropylene Support Fabric: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>53</sup>

Polypropylene depth filtration media: – **Halal** (Aslan) Depth filters are the variety of filters that use a porous filtration medium to retain particles throughout the medium, rather than just on the surface of the medium. These filters are commonly used when the fluid to be filtered contains a high load of particles because, relative to other types of filters, they can retain a large mass of particles before becoming clogged.<sup>54</sup>

Silicone Gasket: – **Halal** (Aslan) Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.<sup>55</sup>

Packaging Bag: – **Halal** (Aslan) A bag is a common tool in the form of a non-rigid container. The use of bags predates recorded history, with the earliest bags being no more than lengths of animal skin, cotton, or woven plant fibers, folded up at the edges and secured in that shape with strings of the same material.<sup>56</sup>

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<sup>52</sup> <https://en.wikipedia.org/wiki/Polypropylene>

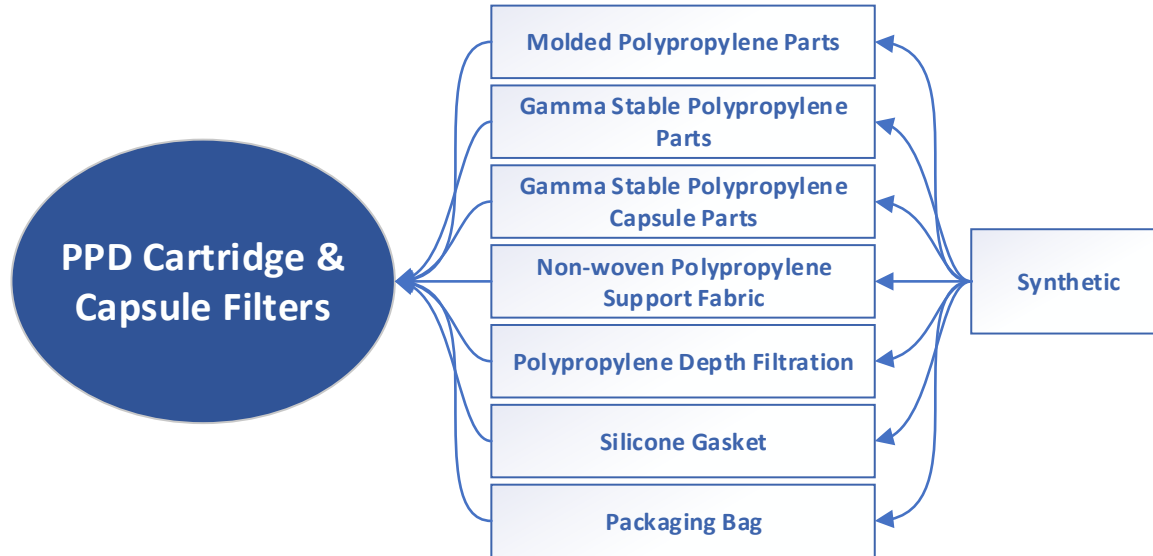
<sup>53</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>54</sup> [https://en.wikipedia.org/wiki/Depth\\_filter](https://en.wikipedia.org/wiki/Depth_filter)

<sup>55</sup> <https://www.martins-rubber.co.uk/blog/silicone-rubber-gaskets/#:~:text=Silicone%20rubber%20gaskets%20are%20high,a%20wide%20range%20of%20aplications.>

<sup>56</sup> <https://en.wikipedia.org/wiki/Bag>

## PPD Cartridge & Capsule Filters



### PPD Cartridge & Capsule Filters

PPD cartridge and capsule filters are constructed with pleated Polypropylene depth media for prefiltering critical pharmaceutical and healthcare liquids including water, chemicals and solvents. Pore sizes range from 0.10 to 100 µm and filter sizes scale from laboratory to full production using identical materials to ensure consistent results.

#### Ingredient Status

Molded Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>57</sup>

Gamma Stable Polypropylene Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>58</sup>

<sup>57</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>58</sup> <https://en.wikipedia.org/wiki/Polypropylene>

Gamma Stable Polypropylene Capsule Parts: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>59</sup>

Non-woven Polypropylene Support Fabric: – **Halal** (Aslan) Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.<sup>60</sup>

Polypropylene depth filtration media: – **Halal** (Aslan) Depth filters are the variety of filters that use a porous filtration medium to retain particles throughout the medium, rather than just on the surface of the medium. These filters are commonly used when the fluid to be filtered contains a high load of particles because, relative to other types of filters, they can retain a large mass of particles before becoming clogged.<sup>61</sup>

Silicone Gasket: – **Halal** (Aslan) Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.<sup>62</sup>

Packaging Bag: – **Halal** (Aslan) A bag is a common tool in the form of a non-rigid container. The use of bags predates recorded history, with the earliest bags being no more than lengths of animal skin, cotton, or woven plant fibers, folded up at the edges and secured in that shape with strings of the same material.<sup>63</sup>

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<sup>59</sup> <https://en.wikipedia.org/wiki/Polypropylene>

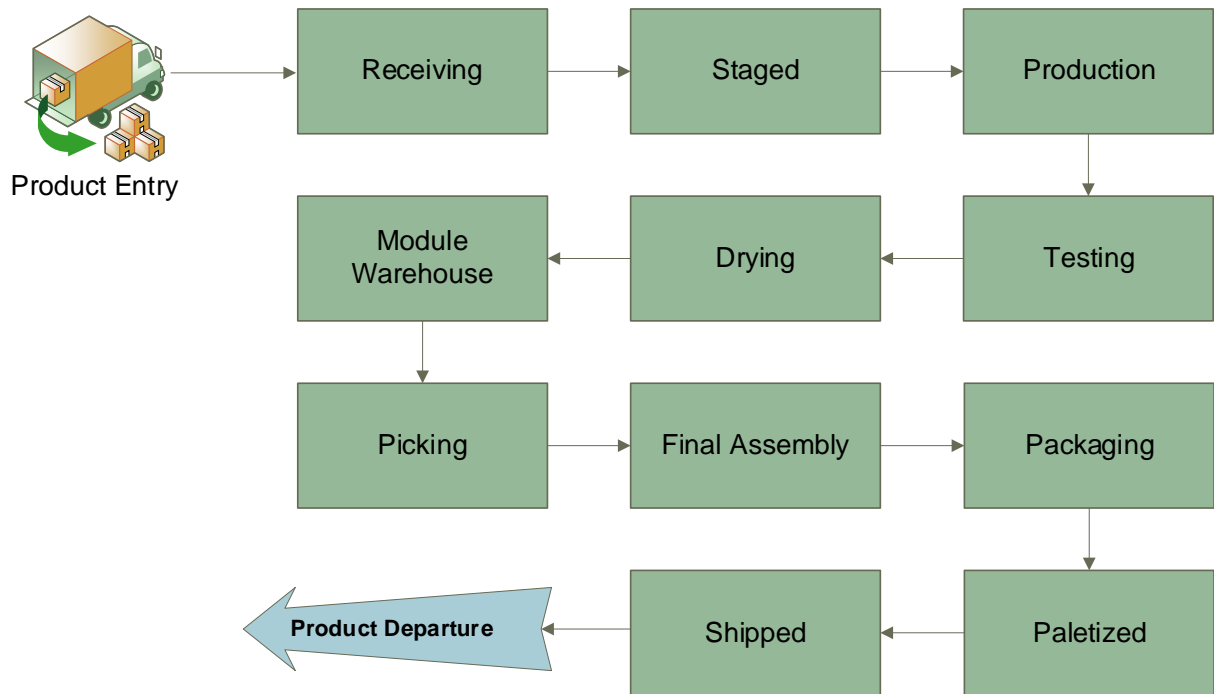
<sup>60</sup> <https://en.wikipedia.org/wiki/Polypropylene>

<sup>61</sup> [https://en.wikipedia.org/wiki/Depth\\_filter](https://en.wikipedia.org/wiki/Depth_filter)

<sup>62</sup> <https://www.martins-rubber.co.uk/blog/silicone-rubber-gaskets/#:~:text=Silicone%20rubber%20gaskets%20are%20high,a%20wide%20range%20of%20applications.>

<sup>63</sup> <https://en.wikipedia.org/wiki/Bag>

## PROCESSING OVERVIEW



## CLEANING METHOD

### Description:

**Production floors:** The floors will be cleaned with approved broom or vacuum to remove loose debris from around equipment, storage, doorways, and corners. The vacuum will be maintained in clean working condition with filters regularly checked and replaced to prevent transportation of particles.

Proper PPE will be worn while cleaning the vacuum using IPA and clean rags to wipe all surfaces of the equipment down before each use.

Mopping of the floors will be performed in a manner that results in removal of gross buildups with the approved cleaner (IPA solution or DI water), and with a new clean mop head, being cautious not to carry contaminate from one floor to the next.

**Production equipment:** Production equipment must be kept clean from debris and build-up of plastics and foreign material with use of clean rags and tools provided. All surface areas will be wiped down with a clean rag and IPA solution.

Avoid using tapes and adhesives on working surfaces. Remove any residue left behind from tapes or adhesives.

Frequency: Not specified.

**PRODUCT & SUPPLIER ASSESSMENT**

**Shantou Yalida Filtration Equipment Co**

Raw Material	Ingredient description	Concerns	Pass/Fail	Reason	Status Recommendation
Molded Polypropylene Parts	Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.		Pass	No known intoxicating effect	Halal Aslan
Silicone Gaskets	Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.		Pass		Halal Aslan

**Scandia Plastics**

Raw Material	Ingredient description	Concerns	Pass/Fail	Reason	Status Recommendation
Gamma Stable polypropylene capsule parts(sleeves)	Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.		Pass		Halal Aslan

**Advantage Plastic Products**

Raw Material	Ingredient description	Concerns	Pass/Fail	Reason	Status Recommendation
Gamma Stable polypropylene capsule parts(end fittings)	Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.		Pass		Halal Aslan

**Monadnock Non Wovens LLC**

<b>Raw Material</b>	<b>Ingredient description</b>	<b>Concerns</b>	<b>Pass/Fail</b>	<b>Reason</b>	<b>Status Recommendation</b>
Polypropylene depth filtration media	Depth filters are the variety of filters that use a porous filtration medium to retain particles throughout the medium, rather than just on the surface of the medium. These filters are commonly used when the fluid to be filtered contains a high load of particles because, relative to other types of filters, they can retain a large mass of particles before becoming clogged.		Pass		Halal Aslan

**Midwest Filtration LLC**

<b>Raw Material</b>	<b>Ingredient description</b>	<b>Concerns</b>	<b>Pass/Fail</b>	<b>Reason</b>	<b>Status Recommendation</b>
Non-woven polypropylene support fabric	Polypropylene belongs to the group of polyolefins and is partially crystalline and non-polar. Its properties are similar to polyethylene, but it is slightly harder and more heat resistant. It is a white, mechanically rugged material and has a high chemical resistance.		Pass		Halal Aslan

**3M**

<b>Raw Material</b>	<b>Ingredient description</b>	<b>Concerns</b>	<b>Pass/Fail</b>	<b>Reason</b>	<b>Status Recommendation</b>
Polyethersulfone Membrane	Polyethersulfone (PES) membrane for aqueous solutions provides removal of fine particles, bacteria, and fungi making it a versatile membrane for applications such as sample preparation, sterile filtration and infusion therapy. PES is an inherently hydrophilic membrane that wets out quickly and completely resulting in fast filtration with superior flow rates and high throughputs.		Pass		Halal Aslan

**Produced Internally**

Raw Material	Ingredient description	Concerns	Pass/Fail	Reason	Status Recommendation
Polyester fabric (Finon C305 NW)	<p>Polyester is a category of polymers that contain the ester functional group in their main chain. As a specific material, it most commonly refers to a type called polyethylene terephthalate (PET). Polyesters include naturally occurring chemicals, such as in the cutin of plant cuticles, as well as synthetics such as polybutyrate.</p>		Pass		Halal Aslan

**Midwest Filtration LLC**

Raw Material	Ingredient description	Concerns	Pass/Fail	Reason	Status Recommendation
Polyester fabric (Finon C305 NW)	<p>Polyester is a category of polymers that contain the ester functional group in their main chain. As a specific material, it most commonly refers to a type called polyethylene terephthalate (PET). Polyesters include naturally occurring chemicals, such as in the cutin of plant cuticles, as well as synthetics such as polybutyrate.</p>		Pass		Halal Aslan

## Sterling Seal

Raw Material	Ingredient description	Concerns	Pass/Fail	Reason	Status Recommendation
Silicone O-rings	Silicone rubber gaskets are high-performance mechanical seals with an extraordinary resistance to extreme temperatures. Silicone gaskets are used to prevent leaks between different substrate sections in a wide range of applications.		Pass		Halal Aslan

## Hudson Poly

Raw Material	Ingredient description	Concerns	Pass/Fail	Reason	Status Recommendation
Packaging Bags	A bag is a common tool in the form of a non-rigid container. The use of bags predates recorded history, with the earliest bags being no more than lengths of animal skin, cotton, or woven plant fibers, folded up at the edges and secured in that shape with strings of the same material.		Pass		Halal Aslan

### TESTING METHOD

The following tests are performed for the production facility: Flow Test, Integrity Test, Flush Test.

# CONCLUSION

Client was cooperative, compliant with on-site access, and all relevant documentation requests. Inspector was able to identify all critical Halal Area Risk Management locations. All H.A.R.M. areas have been properly mitigated. All source materials have been analysed during this review. Critical Process Filtration's facility has been deemed to be conducive to maintaining the integrity of a Halal product.

**Based upon this information, the review team hereby certifies both the facility, and all products mentioned in this report to be Halal.**

## REVIEW AGENT:



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Tameem Allie

**Technical Review Analyst**

## APPROVED BY:



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Sh. Darweesh Muhammad

**Director of Operations**



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Imam Mansoor Rafiq Umar

**President**