



VELTEK ASSOCIATES, INC.

# TECHNICAL DATA FILE



## Sterile Disposable Garments & Cleanroom Apparel

**EASY2GOWN**  
SYSTEM



## **Overview of DPMD**

VAI's Disposable Products Manufacturing Division (DMPD) has addressed the needs of the Pharmaceutical, Biotechnology, Semi-Conductor, and Electronics industries by designing a complete range of sterile and non-sterile disposable garments, and textile products which are manufactured under the CMP Clean Manufacturing System. The CMP Clean Manufacturing System incorporates Cutting, Manufacturing, and Packaging (CMP) all products within an ISO 5/6 (former Class 1000, Grade A/B) cleanroom facility from beginning to end. This manufacturing style assures that all products are handled in the cleanest fashion available for this type of operation. Subsequently, VAI products have tested for over 35 years as one of the lowest particulate inherent products in the marketplace.



All DPMD sterile products gamma irradiated at  $10^{-6}$  SAL and are lot sterility tested. VAI sterility tests each lot by placing spore indicators ( $10^6$  b. pumilis) and material swatches into each irradiation load. The spore indicators and material swatches are subsequently tested for viability. All systems are validated and appropriate documentation for products are assumed mandatory with delivery of the product. All sterile garments are delivered with Certificates of Irradiation, and Certificates of Sterility.

## **The Cleanroom Problem**

We know that humans are the #1 source of contamination in cleanroom operations. We also know that airborne microorganisms are normally dispersed into the cleanroom from human skin cells. Humans shed one outermost layer of epithelial cells every 24 hours. A small, but significant portion of these cells (with skin microbes on them) are dispersed to the air and act as a microbe-carrying particle. Almost always, they are bacteria and are a reflection of skin flora that can amount to 1,000 bacteria carrying cells per minute. When the human body becomes overheated this number of 1,000 bacteria carrying cells per minute can triple. These parameters were the VAI's focus during the design of our material blends made for pharmaceutical and biotechnology operations.

Therefore, VAI has continuously worked to develop garments that are comfortable and cool while having excellent barrier capabilities against skin cell shedding and bacteria entering the cleanroom environment. Our redesigned 1600 and 1700 lines have accomplished just that.

## **Sterile Garments Overview\***

Veltek Associates, Inc.'s disposable garment product line has been redeveloped, and newly designed, specifically for the needs of an aseptic cleanroom operation. The disposable garments have been refined to include more flexibility and space inside while maintaining a sleek design that works for all body types. VAI's disposable garments provide 100% sterility assurance and a reduced chance of cross contamination, while keeping the comfort and breathability of a laundurable garment.



Our garments are available in two different garment fabrics, 1600 and 1700. The 1600 garment line is built with a high quality spunbound-meltblown-spunbound (SMS) non-woven PP fabric @ 60gm/m<sup>2</sup>. Our 1700 line is built using a MicroPorous coated material that is non-woven and high quality. Both garment lines are manufactured and constructed identically therefore, the choice between the two garment fabric all depends on the needs of the operations and the end user.

## **All of VAI's sterile disposable garments, both our 1600 and 1700 lines, include**

- A 100% bound seam construction for increased durability and reduced particle permeability
- Double layer front flap over the zipper to better protect from contamination
- Elastic thumb loops to reduce shifting
- Tunnelized elastic wrists and ankle
- Active athletic styling
- Top of the disposable hoods are constructed with a highly breathable fabric that releases heat while maintaining protection

All of these redeveloped features enhance operator use and comfort.

## **Quality and Manufacturing of the Sterile 1600 and 1700 lines**

- Fully assembled in a controlled environment
- Sewing area uses robotic CAD cutting and seaming equipment, therefore, reducing the amount of hand work and contact with the garment
- Individually packaged and labeled with the lot number and expiration date
- All lots are delivered with their respective Certificate of Irradiation and Certificate of Sterility
- Sterile with a 5 year closed bag expiration, through a validated, gamma irradiation at 10<sup>-6</sup> SAL

\*non-sterile garments available by request only \*custom product available upon request

*An innovative, yet, easy system developed to prevent user contamination during the critical process of aseptic gowning.*

**EASY2GOWN**  
SYSTEM

All disposable coveralls, frocks, hoods, and boots are packaged in VAI's, patented, Easy2Gown fold system. The Easy2Gown design is a fold that makes a proper aseptic gowning procedure an easy process instead of a routine challenge. This allows operators to have fewer manipulations while donning these garments, therefore, reducing cross-contamination.

The Easy2Gown system incorporates a patented fold that was designed to minimize contact between the operator and the outside of the gown. By presenting the inside of the gown upon opening the packaging, the sterile outside is protected from the transfer of contamination during the gowning process. The user is able to gown with minimal contact to the sterile, outside, portions of the gown.

### **Benefits of the Easy2Gown System**

- Reduced training time and gowning time because the coverall is pre-folded to be gowned right
- Better efficiency and performance in gowning qualifications and re-qualifications.
- Risk of operator contamination is greatly reduced during gowning process
- Hands-on training available upon request



**Veltek Associates, Inc.'s disposable Easy2Gown garments come in two types of fabric**

### **1600 Garment Fabric**

Our 1600 garments are built using high quality SMS material nonwoven PP fabric @ 60gm/m<sup>2</sup>. This fabric type has high strength and outstanding moisture vapor transmission, which translates to overall increased operator comfort. Raw materials are quality assurance tested and lot controlled.

Select the 1600 garment line when comfort and breathability is the highest priority and minimal to moderate splash protection is required. The 1600 garment material has excellent bacterial filtration efficiency.

Available in coveralls, hoods, and frocks.

### **Quality and Manufacturing\***

- Built by fully automated, robotic, CAD cutting and seaming equipment
- Gamma irradiated at 10<sup>-6</sup> SAL
- Individually labeled with lot number and expiration date
- All garments individually packaged\*
- Pre-folded in our Easy2Gown system to enhance proper aseptic gowning\*
- High strength and outstanding moisture vapor transmission
- Completely lot traceable

### **Features and Benefits\***

- Tunnelized elastic wrists and ankles\*
- Minimal to moderate splash protection
- 5 years closed bag sterility
- Elasticized thumb loops to reduce shifting\*
- Athletic and active styling that fits all body types\*
- Highly breathable fabric that releases heat while maintaining protection; outstanding moisture vapor transmission
- Reduces gowning time
- Minimal chance of cross contamination
- Complete user comfort
- Available in a variety of sizes
- Excellent bacterial filtration efficiency

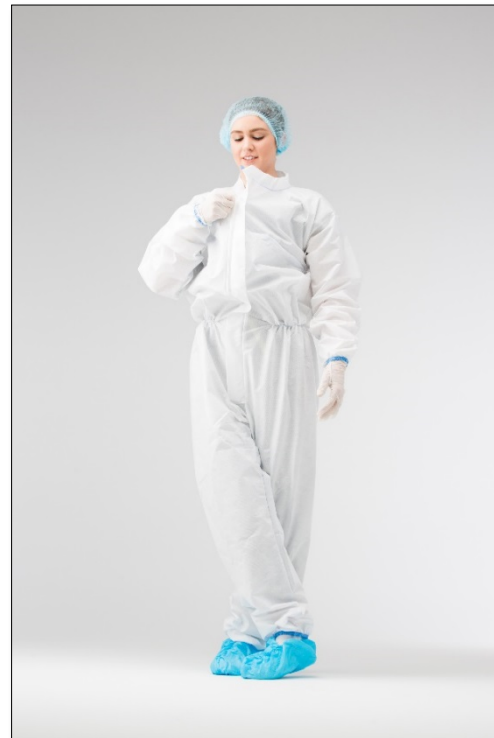
\*not all points apply to non-sterile product





## Specifications and Testing

1600 SMS Fabric Specifications	Results	Method
<b>Basis Weight</b>	60.0 gsm	ASTM D3776-96
<b>Strip Tensile</b>	120.0 N/5cm	ASTM D5035-95
<b>Strength-MD</b> (specimen width 50 mm, jaw separation 100 mm rate of extension 300 mm/min)	45.0%	ASTM D5035-95
<b>Elongation – MD</b> (specimen width 50 mm, jaw separation 100 mm rate of extension 300 mm/min)	45.0%	ASTM D5035-95
<b>Strip Tensile</b>	58.0 N/5cm	ASTM D5035-95
<b>Strength – CD</b> (specimen width 50 mm, jaw separation 100 mm rate of extension 300 mm/min)	50.0%	ASTM D5035-95
<b>Elongation – CD</b> (specimen width 50 mm, jaw separation 100 mm rate of extension 300 mm/min)	50.0%	ASTM D5035-95
<b>Hydrohead</b>	65 mbar	WSP 80.6 (05)
<b>c+ Surface Resistance</b>	$2.5 * 10^9 \Omega$	EN1149-1:2006
<b>Bacterial Filtration Efficiency (BFE)</b>	97.6%	ASTM F2101-07



## Ordering Information

<b>1600 Garments - Coveralls</b>		
<b>Part number</b>	<b>Description</b>	<b>Qty</b>
1600-E-S-1607	1600 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, SM, Sterile	25/cs
1600-E-S-1608	1600 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, M , Sterile	25/cs
1600-E-S-1609	1600 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, L , Sterile	25/cs
1600-E-S-1610	1600 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, XL , Sterile	25/cs
1600-E-S-1611	1600 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, 2XL , Sterile	25/cs
1600-E-S-1612	1600 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, 3XL , Sterile	25/cs
1600-E-S-1687	1600 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, 4XL , Sterile	25/cs
1600-E-S-1697	1600 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, 6XL , Sterile	25/cs
<b>1600 Garments – Frocks</b>		
1600-LC-S-1643	1600 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, SM, Sterile	30/cs
1600-LC-S-1644	1600 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, M, Sterile	30/cs
1600-LC-S-1645	1600 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, L, Sterile	30/cs
1600-LC-S-1646	1600 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, XL, Sterile	30/cs
1600-LC-S-1647	1600 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, 2XL, Sterile	30/cs
1600-LC-S-1648	1600 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, 3XL, Sterile	30/cs
<b>1600 Garments - Hoods</b>		
1600H-UC-S-1660	1600 Hood, Easy2Gown, Open Face, Individually Packaged, White, S/M, Sterile	100/cs
1600H-UC-S-1661	1600 Hood, Easy2Gown, Open Face, Individually Packaged, White, L/XL, Sterile	100/cs

## **1700 Garment Fabric**

Our 1700 garments are built using a heavy weight, non-woven and high quality MicroPorous coated material. The 1700 disposable garments are extremely tough and fluid resistant. The fabric is breathable for user comfort and has the best particulate performance in its segment. The fabric is indicated where maximum protect to product or wearer is required. The 1700 material has excellent liquid resistance, and create an impervious barrier, preventing passage of bacteria and non-viable particulates through the garment material.

This material blend is an excellent option for a personal protection garment as it has exceptional chemical resistance to liquids according to:

- ASTM F903-96, Liquid Resistance Test
- ASTM F1407-96, Resistance to Liquid Penetration Test
- SATRA, Surface Water Absorption Test

The 1700 Material blend is CE marked under the EU Harmonized Standards for its ability to provide personal protection for wearers from low level splashes and sprays. (EN 13921:2007)

Available in coveralls, sleeves, frocks and boots.

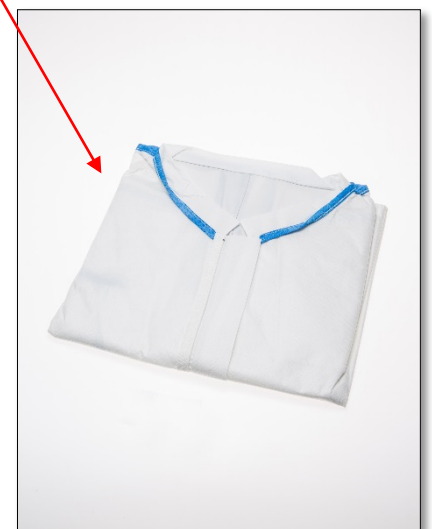
## **Quality and Manufacturing\***

- Built by fully automated, robotic, CAD cutting and seaming equipment\*
- Gamma irradiated at  $10^{-6}$  SAL\*
- Individually labeled with lot number and expiration date, completely lot traceable
- All garments individually packaged\*
- Pre-folded in our Easy2Gown system to enhance proper aseptic gowning\*
- High strength and excellent particulate performance
- Completely lot traceable

## **Features and Benefits**

- Elasticized thumb loops to reduce shifting with tunnelized elastic wrists and ankles
- 5 years closed bag sterility\*
- Excellent liquid resistance, especially to chemicals
- Provides protection to low level splashes and sprays
- Athletic and active styling that fits all body types
- Has a leading bacterial and particle barrier
- Reduces gowning time
- Reduced chance of cross contamination\*
- Complete user comfort
- Available in a variety of sizes

\*not all points apply to non-sterile product





## Specifications

1700 MicroPorous Fabric Specifications	Results	Method
<b>Basis Weight</b>	60.0 gsm	ASTM D751
<b>Trapezoidal Tear MD Load</b>	≥ 10 lbs	ISO 9073-4
<b>Trapezoidal Tear CD Load</b>	≥ 7 lbs	ISO 9073-4
<b>Grab Tensile Strength MD</b>	≥ 20 lbs/ 50 mm	ASTM D 5034
<b>Elongation at Break MD</b>	100%	ASTM D 5034
<b>Grab Tensile Strength CD</b>	≥ 10 lbs/50 mm	ASTM D 5034
<b>Elongation at Break CD</b>	110%	ASTM D 5034
<b>Hydrohead</b>	> 170	AATC 127
<b>Static LogR Film Side</b>	$\log_{10}(\text{ohms}) < 5.0 \times 10^{10}$	EN 1149-1
<b>Static LogR Fabric Side</b>	$\log_{10}(\text{ohms}) < 5.0 \times 10^{10}$	EN 1149-1
<b>Particle Filtration Efficiency</b>	100% Resistant	EN 14683:2014, Annex C
<b>Bacterial Filtration Efficiency</b>	100% Resistant	ASTM F2101-07



## Ordering Information

<b>1700 Garments - Coveralls</b>		
<b>Part number</b>	<b>Description</b>	<b>Qty</b>
1700P-E-S-17000	1700 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, SM, Sterile	25/cs
1700P-E-S-17001	1700 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, M, Sterile	25/cs
1700P-E-S-17002	1700 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, L, Sterile	25/cs
1700P-E-S-17003	1700 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, XL, Sterile	25/cs
1700P-E-S-17004	1700 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, 2XL, Sterile	25/cs
1700P-E-S-17005	1700 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, 3XL, Sterile	25/cs
1700P-E-S-17006	1700 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, 4XL, Sterile	25/cs
1700P-E-S-17007	1700 Coverall, Easy2Gown, Elastic Wrists and Ankles, Zipper Closure, Individually Packaged, White, 6XL, Sterile	25/cs
<b>1700 Garments – Frocks &amp; Sleeves</b>		
1700-LC-S-1720	1700 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, S, Sterile	30/cs
1700-LC-S-1721	1700 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, M, Sterile	30/cs
1700-LC-S-1722	1700 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, L, Sterile	30/cs
1700-LC-S-1723	1700 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, XL, Sterile	30/cs
1700-LC-S-1724	1700 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, 2XL, Sterile	30/cs
1700-LC-S-1725	1700 Frock, Elastic Wrists, Zipper Closure, Individually Packaged, White, 3XL, Sterile	30/cs
1700-PS-S-1792	1700 Protective Sleeve, Easy2Gown, One Size, Sterile	100/cs
<b>1700 Garments - Hoods</b>		
1700P-H-UC-S-17017	1700 Hood, Easy2Gown, Open Face, Individually Packaged, White, S/M, Sterile	100/cs
1700P-H-UC-S-17035	1700 Hood, Easy2Gown, Open Face, Individually Packaged, White, L/XL, Sterile	100/cs

**VAI’s Innovative Sterile, Easy2Gown, Disposable, Cleanroom Boots**

VAI, in addition, has re-developed our cleanroom boot to address and improve upon the issues with the typical aseptic boot design. Our boot uses a high-grip, non-skid boot cover, with the top portion being constructed of our fluid resistant 1700 fabric. The boot uses a grip material and is completely seamless up to the ankle. This design helps eliminate walking off of the sole of the shoe cover, tearing the seams located near the sole of the shoe cover, or wearing through the side of the boot.

VAI’s 1700 Easy2Gown Boot cleanroom boot has a sturdy seam that connects the high-grip bottom with the 1700 material top. Therefore, the boot is easier to get on without any damage. The boot also has comfortable tunnelized elastic seams at the top and around the ankle. Furthermore, the boot has ties at the top which the operator can tie for added security or tuck in the sides. Overall, a completely innovative cleanroom garment.

**Ordering Information**

1700 Garments - Boots			
Part number	Description	Opening Size	Qty
1700P-MC-NS-S-17018	1700 Boot, Easy2Gown, 18” Tall, SM/M, Sterile	10”	100 pairs/cs
1700P-MC-NS-S-17019	1700 Boot, Easy2Gown, 18” Tall, L/XL, Sterile	12”	100 pairs/cs
1700P-MC-NS-S-17020	1700 Boot, Easy2Gown, 18” Tall, 2XL/3XL, Sterile	14”	100 pairs/cs



VAI in addition offers sterile and non-sterile cleanroom apparel.  
Our cleanroom apparel includes:

**Boot Covers**

Cleanroom Boot Covers are latex and lint free, with a seamless bottom, suitable for use in a clean environment. The boot covers are manufactured from a blend of polyolefin coated polypropylene then uniquely constructed to create an impervious sole and side with an elastic ankle. This combination offers extraordinary traction and skid resistance. Furthermore, the covers are extremely durable, and resistant to liquids. Overall, this is the toughest, most durable and impervious boot cover currently on the market. The boot covers are ideal for wash down and laboratory research cleanroom uses.



**Features and Benefits**

- Individually inspected for size, stitching, and workmanship
- Neatly stacked and cleanroom packaged
- 100 pieces per inner polybag, 2 polybags per sealed bag
- ISO Class: 5, IEST Reference Document: IEST-RP-CC033.3

**Testing Information**

Boot Cover –		
<b>ISO Class:</b>	5, Helmke Drum Testing	IEST-RP-CC033.3
<b>Coefficient of Friction:</b>	1.39us	ASTM D1894
<b>Bloodborne Pathogen Test:</b>	PASS	ASTM F1671
<b>Flammability:</b>	Class 1	CPSC 1610

**Ordering Information**

Boot Cover –		
Part number	Description	Qty
150-SC-NS-1520	Boot Covers, Gray, Non-Skid, 7.75”, Large, Non-sterile	100 pairs/cs
150-SC-NS-1521	Boot Covers, Gray, Non-Skid, 7.75”, XL, Non-sterile	100 pairs/cs

**Shoe Covers**

VAI’s Shoe Covers are latex and lint free, with a surged bottom seam that is made to be suitable for the use in clean environments. These shoe covers are a special polyolefin blend laminated to a polypropylene substrate. Due to this special blend, these shoe covers offer the best traction properties and skid resistance currently available in any shoe cover. Furthermore, the covers are extremely durable, resistant to liquids, and have an elasticized top opening.

**Features and Benefits**

- Individually inspected for size, stitching, and workmanship
- Neatly stacked and cleanroom packaged
- 100 pieces per inner polybag, 2 polybags per sealed bag
- ISO Class: 5, IEST Reference Document: IEST-RP-CC033.3

**Testing Information**

Shoe Cover –		
<b>Coefficient of Friction:</b>	1.39us	ASTM D1894
<b>Bloodborne Pathogen Test:</b>	PASS	ASTM F1671
<b>Flammability:</b>	Class 1	CPSC 1610

**1Ordering Information**

Shoe Cover –		
Part number	Description	Qty
150-SC-NS-1522	Shoe Covers, Blue, Non-Skid, 16”, Large, Non-sterile	100 pairs/cs
150-SC-NS-1523	Shoe Covers, Blue, Non-Skid, 18”, XL, Non-sterile	100 pairs/cs



## Bouffant Hats

VAI’s bouffant head covers are designed and manufactured in a pleated design that is low in lint and full coverage, for use in a cleanroom setting. They are made from 100% virgin polypropylene. While a standard bouffant is hand sewn, our pleated design is made by fully automated equipment, therefore, lowering possible contamination and bio-burden. They are lightweight, cool, breathable and latex free for added comfort. Having a pleated design allows for greater storage capacity in the gowning room and ease of handling and filling. Less waste is experienced because it is easier for the operator to just take one.

## Features and Benefits

- Individually inspected for size, stitching, and workmanship
- Neatly stacked and clean room packaged
- 100 pieces per inner polybag, 10 polybags per sealed master bag
- Material Weight: 12 gm/m<sup>2</sup>
- Collapsed size: 1x9”
- ISO Class: 6, IEST Reference Document: IEST-RP-CC033.3
- Flammability: Class 1, Reference Document: CPSC 1610

## Ordering Information

Bouffant Hats –		
Part number	Description	Qty
150-BF-NS-1530	Bouffant Hat, Blue, 21” in Diameter, Non-sterile	1000 pieces
150-BF-NS-1531	Bouffant Hat, Blue, 23” in Diameter, Non-sterile	1000 pieces



## Sweat-less Headbands

VAI offers a protective and comfortable sweat-less headband for use under a bouffant hat in a clean environment. The headbands were designed specifically for the comfort of the end user. Made of 100% nylon tubular fabric, the sweat-less headbands are soft, comfortable, and absorbent. The intended function is to provide a mechanism to absorb perspiration in an easy to use, disposable, and clean product. Overall, this product will eliminate a potential contamination risk and the need for an employee to use products from outside the operation.

## Features and Benefits

- Put on before the bouffant hat for added protection
- Available in multiple sizes
- Fabric is 100% nylon for user comfort and perspiration absorption
- Soft, cool and comfortable
- Fabric has slight stretch for a secure fit
- Bagged and boxed in 200 per case
- All headbands are white in color



## Testing Information

Micron Count, Average of 5 Minutes	Helmke Drum Rotating at 10 RPM
≥0.5µm :	474 particles per headband per 1 ft <sup>3</sup> air
≥5.0µm :	4 particles per headband per 1 ft <sup>3</sup> air

## Ordering Information

Sweat-less Headbands –		
Part number	Description	Qty
SL-01-S	Sweat-less Cleanroom Headband, Small, 18”diameter, 2” wide, Non-sterile	200/cs
SL-01-M	Sweat-less Cleanroom Headband, Medium, 20”diameter, 2” wide, Non-sterile	200/cs
SL-01-L	Sweat-less Cleanroom Headband, Large, 22”diameter, 2” wide, Non-sterile	200/cs
SL-02-XL	Sweat-less Cleanroom Headband, XL, 24”diameter, 2” wide, Non-sterile	200/cs

## **Sterile and Non-Sterile Face Masks**

The PF-2 Face Masks have been innovatively designed for use in the pharmaceutical, biotechnology, and medical device industries; in any cleanroom operation. VAI's PF-2 Face Masks are made of 100% rayon laminated with an acrylic binder. Overall, the PF-2 Face Masks allows for excellent breathability, comfort, and protection, while being offered in multiple varieties. Our Face Masks are low in particulate and shedding characteristics and offer a barrier between the environment and the user. The mask is designed to absorb moisture, therefore, it continually improves its own filtration efficiency the longer it's worn. Our Face Masks come standard with a comfort fit nose piece that virtually eliminates fogging of one's own goggles, and that protects the wearer from the lower edge of the goggle. This feature makes it unnecessary to continually adjust the goggles.

Our PF-2 sterile Face Mask has been newly redesigned to now feature elastic bands that will allow a sewing method to eliminate any trailing thread ends. The masks are folded in a manner that allows them to be easily and cleanly applied. The fold allows for quicker donning in cleanroom operations in order to save time and money. It nearly eliminates the possibility of unintended contamination by touching the outside of the mask.

All sterile Face Masks are delivered with a Certificate of Irradiation, Certificate of Sterility, Certificate of Conformance, and are completely lot traceable. Sterility is assured through gamma irradiation at 10.0 to 20.0 KGy and all sterile masks carry a five year validated closed packaged expiration date through high quality packaging for airtight seals.



## **Features and Benefits**

- Sterile Face Masks are available individually packaged
- Bulk packaging available
- Sterile masks are processed in a Grade B manufacturing area
- Sterile masks are gamma irradiated at 10.0 to 20.0 KGy
- Soft, comfortable, and breathable
- Low particulate and shedding characteristics
- Filtration efficiency improves over longer use
- Goggle fogging is virtually eliminated due to absorption efficiency

**Testing Information**

PF-2 Face Mask –	
<b>Grade:</b>	B
<b>Color:</b>	White
<b>Flammability:</b>	Class 1
<b>Breathability:</b>	0.4 Delta P
<b>Sterility testing with b. pumilis Spore Strips:</b>	Pass

**Ordering Information**

Order Number	Description	Qty./Cs
PF-2SM-T-4-S-2020	PF-2 Face Mask, 4 Ties, One Size, Non-Sterile	500
PF-2SM-T-4-S-2021	PF-2 Face Mask, 4 Ties, Individually Packaged, One Size, Sterile	500
PF-2SM-2-S-2027	PF-2 Face Mask, 2 Elastic Straps, One Size, Non-Sterile	500
PF-2SM-2-S-2026	PF-2 Face Mask, 2 Elastic Straps, Individually Packaged, Inner Bags of 50, One Size, Sterile	500



### Additional Documentation Provided Upon Request

- Specific testing reports
- Lot documentation
- Product Validation reports



Veltek Associates, Inc. Disposable Products Manufacturing Division's capabilities include sterile disposable garments, sterile disposable face masks, dry wipers, sterile wipers, custom cleanroom documentation, sterile synthetic writing substrate, and a HEPA filtered cleanroom printer.

DPMD has responded and met demands of professionals in the industry since 1985. Our manufacturing capabilities assure that we will be able to meet all requests and fulfill all of our customer's needs. All DPMD products are processed and packaged in cleanroom facilities from beginning to end and subsequently gamma irradiated or aseptically filled in order assure sterility.