



**Personal Protective Equipment *for***  
**Medical, Dental, Industrial and Civilian Applications** [www.pwgproducts.com](http://www.pwgproducts.com)

# Infection Control Apparel

PWG's Infection Control Apparel is engineered to help keep clinicians and patients protected from infectious disease. Utilize our material and selection guides to identify the most appropriate apparel for your application.

- ✓ *Physician and Industry approved styles and feature sets*
- ✓ *Lab Certified Performance*
- ✓ *Manufactured in North America*



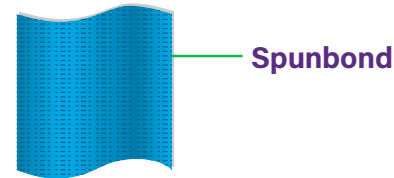
# Infection Control Material Guide

*Infection Control Apparel is made from various materials and combinations of materials.  
Use this information to better understand the differences in commonly used materials.*

## Spunbond Polypropylene

*Standard, cost-effective and comfortable*

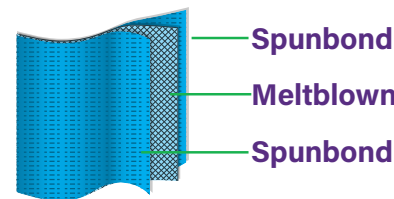
For basic infection control, this non-woven fabric bonds fibers together to form a single layer that is appropriate for very minimal fluid exposure.



## SMS Material

*Comfortable fabric with increased protection*

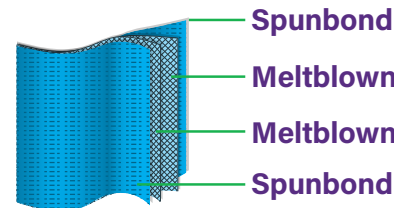
Strong and breathable, Spunbond/Meltblown/Spunbond (SMS) is a multi-layer fabric composed of an inner layer of meltblown polypropylene between outer layers of spunbond polypropylene that is ideal for extended wear. Light/medium weight SMS is appropriate for low amounts of fluid and heavy weight SMS may be appropriate for moderate contact with fluids



## SMMS Material

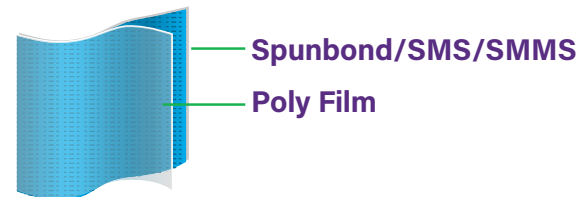
*Comfortable fabric with further increased protection*

Strong and breathable, Spunbond/Meltblown/Meltblown/Spunbond (SMMS) is a multi-layer fabric composed of two inner layers of meltblown polypropylene between outer layers of spunbond polypropylene that is ideal for extended wear and appropriate for moderate contact with fluids



## Coated Polypropylene

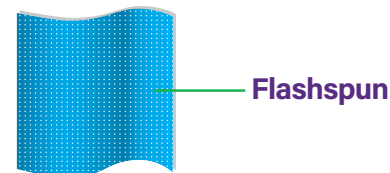
Soft, non-woven polypropylene material coated/laminated with polyethylene (plastic) film. The resultant material is lightweight, flexible and waterproof



## Flashspun Material

*Comfortable and extremely durable fabric with superior protection*

Flashspun fabric is a high strength, durable and breathable nonwoven fabric formed from ultra-fine fibers of HDPE (or similar) material. Ideal for extended wear and applications with moderate or high fluid contact.



# AAMI Level Guide

| ANSI/AAMI PB70<br>Barrier performance | Test method  | Test definition |   | Requirement   | Anticipated<br>fluid exposure |
|---------------------------------------|--|-----------------|---|---|-------------------------------|
| AAMI Level 1                          | Water resistance:<br>Impact penetration AATCC 42   | AATCC 42        | Measures the resistance of fabrics to the liquid penetration of water by impact   | Water penetration $\leq 4.5$ g                                      | Minimal fluid levels          |
|                                       | Water resistance:<br>Impact penetration AATCC 42   | AATCC 42        | Measures the resistance of fabrics to the liquid penetration of water by impact   | Spray penetration $\leq 1.0$ g                                      | Low fluid levels              |
| AAMI Level 2                          | Water resistance:<br>Hydrostatic pressure<br>AATCC 27  | AATCC 127       | Measures the resistance of fabrics to the liquid penetration of water by impact under constant and increasing hydrostatic pressure  | Hydrostatic Pressure $\geq 20$ cm                                   |                               |
|                                       | Water resistance:<br>Impact penetration AATCC 42   | AATCC 42        | Measures the resistance of fabrics to the liquid penetration of water by impact   | Spray penetration $\leq 1.0$ g<br>Hydrostatic pressure $\geq 50$ cm | Moderate fluid levels         |
| AAMI Level 3                          | Water resistance:<br>Hydrostatic pressure<br>AATCC 27  | AATCC 127       | Measures the resistance of fabrics to the liquid penetration of water by impact under constant and increasing hydrostatic pressure  | Hydrostatic pressure $> 50$ cm                                      |                               |
|                                       | ASTM F1671, Standard Test Method for Resistance of Materials Used in Protective Clothing to Penetration by Blood-Borne Pathogens Using Phi-X174 Bacteriophage Penetration as a Test System | ASTM F1671      | Measures the resistance of materials used in protective clothing to penetration by blood borne pathogens using a surrogate microbe under conditions of continuous liquid contact. | Pass  | High fluid levels             |
| AAMI Level 4                          |  |                 |   |   |                               |

Association for the Advancement of Medical Instrumentation. *Liquid Barrier Performance and Classifications of Protective Apparel and Drapes Intended for use in Health Care Facilities*. ANSI/AAMI PB70:2012. Arlington, VA: AAMI.

# Non-Surgical Isolation Gowns | AAMI Level 1

- ✔ *For use in Non-Surgical applications with minimal fluid exposure*
- ✔ *AAMI Level 1 Performance*
- ✔ *Lightweight and breathable SMS material provides comfort and protection*

## KEY FEATURES

- ▶ Full Length
- ▶ Full Back
- ▶ Splash Resistant
- ▶ Neck Closure: Tie
- ▶ Back Closure: Tie
- ▶ Cuff: White Polyblend Knit Fabric

## SPECIFICATIONS

- ▶ Colors: Blue, White, Yellow
- ▶ Material: Non-woven SMS
- ▶ Material Weight: 25 gsm
- ▶ Non-Sterile
- ▶ Latex Free
- ▶ Use: Disposable – Single Use



# Non-Surgical Isolation Gowns | AAMI Level 2

- ✔ *For use in Non-Surgical applications with low fluid risk*
- ✔ *AAMI Level 2 Performance*
- ✔ *Medium weight SMS material is durable, comfortable and protective*

## KEY FEATURES

- ▶ Full Length
- ▶ Full Back
- ▶ Splash and Water Resistant
- ▶ Neck Closure: Tie
- ▶ Back Closure: Tie
- ▶ Cuff: White Polyblend Knit Fabric

## SPECIFICATIONS

- ▶ **Colors:** Blue, White, Yellow
- ▶ **Material:** Non-woven SMS
- ▶ **Material Weight:** 35 gsm
- ▶ **Non-Sterile**
- ▶ **Latex Free**
- ▶ **Use:** Disposable – Single Use





# Surgical Gowns | AAMI Level 3 | Reinforced

- ✔ *For use in Surgical and Non-Surgical applications with moderate fluid risk*
- ✔ *AAMI Level 3 Performance*
- ✔ *FDA 510k Clearance\**
- ✔ *Layered non-woven materials provide durable and comfortable protection*

## KEY FEATURES

- ▶ Full Length
- ▶ Full Back
- ▶ Splash-proof and Water Resistant
- ▶ Neck Closure: Tie
- ▶ Back Closure: Tie
- ▶ Cuff: White Polyblend Knit Fabric
- ▶ Reinforced Critical Areas (Chest and Sleeves)

## SPECIFICATIONS

- ▶ Colors: Blue
- ▶ Material: Non-woven SMMS w/ SMS Reinforcement
- ▶ Sterile and Non-Sterile Available
- ▶ Material Weight: 45 gsm SMMS and 35 gsm SMS
- ▶ Latex Free
- ▶ Use: Disposable



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# Surgical Gowns | AAMI Level 3 | AeroBlue

- ✔ *For use in Surgical and Non-Surgical applications with moderate fluid risk*
- ✔ *AAMI Level 3 Performance*
- ✔ *FDA 510k Clearance\**
- ✔ *Proprietary non-woven material is durable, breathable and protective*

## KEY FEATURES

- ▶ Full Length
- ▶ Full Back
- ▶ Splash-proof and Water Resistant
- ▶ Neck Closure: Tie
- ▶ Back Closure: Tie
- ▶ Cuff: White Polyblend Knit Fabric

## SPECIFICATIONS

- ▶ **Colors:** Blue
- ▶ **Material:** Non-woven AeroBlue Fabric w/ SMS Back
- ▶ **Material Weight:** 45 gsm
- ▶ **Sterile and Non-Sterile Available**
- ▶ **Latex Free**
- ▶ **Use:** Disposable



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# Surgical Gowns | AAMI Level 4

- ✔ *For use in Surgical and Non-Surgical applications with moderate fluid risk*
- ✔ *AAMI Level 4 Performance*
- ✔ *FDA 510k Clearance\**
- ✔ *AeroChrome fabric provides breathable, durable and comfortable protection*

## KEY FEATURES

- ▶ Full Length
- ▶ Full Back
- ▶ Splash-proof and Water-proof
- ▶ Neck Closure: Tie
- ▶ Back Closure: Tie
- ▶ Cuff: White Polyblend Knit Fabric

## SPECIFICATIONS

- ▶ Colors: Grey/Blue
- ▶ Material: Non-woven AeroChrome Fabric w/ SMS Back
- ▶ Material Weight: 45 gsm
- ▶ Sterile and Non-Sterile Available
- ▶ Latex Free
- ▶ Use: Disposable



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# Shoe Covers

## KEY FEATURES

- ▶ Liquid and Particle Protection
- ▶ Ankle Height
- ▶ Ankle Closure: Tie
- ▶ One Size Fits Most

## SPECIFICATIONS

- ▶ Color: Blue
- ▶ Material: SMS
- ▶ Material Weight: 30 gsm
- ▶ Use: Disposable
- ▶ Non-Sterile
- ▶ Latex Free



# Coveralls | Level 3 | AeroBlue

- ✔ *For use in Medical and Industrial applications*
- ✔ *AAMI Level 3 Performance*
- ✔ *AeroBlue material is durable, breathable and protective*

## KEY FEATURES

- ▶ Splash-proof and Water-proof
- ▶ Zipper Front
- ▶ Hooded
- ▶ Wrist Cuff: Elastic
- ▶ Ankle Cuff: Elastic

## SPECIFICATIONS

- |                                       |                   |
|---------------------------------------|-------------------|
| ▶ Colors: Blue                        | ▶ Non-Sterile     |
| ▶ Material: Non-woven AeroBlue Fabric | ▶ Latex Free      |
| ▶ Material Weight: 45 gsm             | ▶ Use: Disposable |



# Isolation Suit | Heavy Duty | Advanced Flashspun Polypropylene

- ✔ *For use in Medical and Industrial applications where liquid and particle protection is necessary*
- ✔ *Heavy weight Flashspun material is durable, comfortable and protective*

## KEY FEATURES

- ▶ Splash-proof and Water-proof
- ▶ Zipper Front
- ▶ Hooded
- ▶ Wrist Cuff: White Polyblend Knit Fabric
- ▶ Ankle Cuff: White Polyblend Knit Fabric



## SPECIFICATIONS

- ▶ **Colors:** White
- ▶ **Material:** Non-woven, Flashspun Polypropylene
- ▶ **Material Weight:** 65 gsm
- ▶ **Non-Sterile**
- ▶ **Latex Free**
- ▶ **Use:** Disposable



# Nitrile Gloves | Medical Examination

- ✔ *Consistent, high quality performance*
- ✔ *Comfortable and durable performance*

## KEY FEATURES

- ▶ Textured Fingertips
- ▶ Beaded Cuff
- ▶ Powder Free
- ▶ Disposable
- ▶ Ambidextrous



## SPECIFICATIONS

- ▶ 100% Nitrile (Acrylonitrile-Butadiene)
- ▶ Non-Sterile
- ▶ Latex Free
- ▶ Palm Thickness: 0.080 mm
- ▶ Silicone Free
- ▶ Finger Thickness: 0.110 mm



# Face Coverings / Masks / Respirators

Face coverings, masks and respirators play critical roles in minimizing the spread of infectious disease and improving the safety of clinicians and patients. Utilize our selection guide and product descriptions to identify the most appropriate device for your application.

- ✔ *Physician and Industry approved styles and feature sets*
- ✔ *Lab Certified Performance*
- ✔ *Manufactured in USA and Mexico*





# Face Coverings / Masks / Respirators Selection Guide

## MAXIMUM FILTRATION

|                            |   |
|----------------------------|---|
| N95 Particulate Respirator |   |
| High Fluid Resistance      | 160 mmHg                                  |
| Filtration Efficiency      | PFE = 99.9% @ 0.1 micron                  |
| Breathability - Delta P    | > 5.0 mm H <sub>2</sub> O/cm <sup>2</sup> |
| Flammability               | Class 1                                   |

### N95



## Shields vs Masks vs Respirators

A **face shield** is a physical barrier that shields the full face of the wearer. Typically, they are made from clear plastic film and secured to the wearer with an adjustable elastic strap.

A **face mask** is a mask that covers the nose and mouth area. Typically, they are loose-fitting and utilize two ear loops that stretch around the ears to hold the mask in place. Face masks are designed to be used as one-way protection, only capturing large particles or droplets from the wearer and preventing them from being spread to the environment.

A **respirator** is a face mask that creates a facial seal. Respirators, when used properly, provide two-way protection, filtering the air entering and exiting the wearer at a level of efficiency designated by the respirator. Typically, respirators utilize two head straps, a metal nose piece and a safety designation (N95, for example).

## ASTM LEVEL 3

|                         |   |
|-------------------------|---|
| High Fluid Resistance   | 160 mmHg                                  |
| Filtration Efficiency   | BFE ≥ 98%                                 |
|                         | PFE ≥ 98% @ 0.1 micron                    |
| Breathability - Delta P | < 5.0 mm H <sub>2</sub> O/cm <sup>2</sup> |
| Flammability            | Class 1                                   |

### LEVEL 3



## ASTM LEVEL 2

|                           |   |
|---------------------------|---|
| Moderate Fluid Resistance | 120 mmHg                                  |
| Filtration Efficiency     | BFE ≥ 98%                                 |
|                           | PFE ≥ 98% @ 0.1 micron                    |
| Breathability - Delta P   | < 5.0 mm H <sub>2</sub> O/cm <sup>2</sup> |
| Flammability              | Class 1                                   |

### LEVEL 2



## ASTM LEVEL 1

|                         |   |
|-------------------------|---|
| Low Fluid Resistance    | 80 mmHg                                   |
| Filtration Efficiency   | BFE ≥ 95%                                 |
|                         | PFE ≥ 95% @ 0.1 micron                    |
| Breathability - Delta P | < 4.0 mm H <sub>2</sub> O/cm <sup>2</sup> |
| Flammability            | Class 1                                   |

### LEVEL 1



## Non-Medical Level 1

|                         |   |
|-------------------------|---|
| Filtration Efficiency   | BFE ≥ xx%                                 |
|                         | PFE ≥ xx% @ x.x micron                    |
| Breathability - Delta P | < 4.0 mm H <sub>2</sub> O/cm <sup>2</sup> |



## Basic Physical Barrier Mask

|                         |     |
|-------------------------|-----|
| Filtration Efficiency   | N/A |
| Breathability - Delta P | N/A |

Physical Barrier Only



## Understanding LEVEL Performance Levels for Surgical Masks\*

| FEATURE  | EXPLANATION   |
|--|---|
| Fluid Resistance                               | Mask resistance to penetration by synthetic blood under pressure (mmHg). Higher resistance = higher protection.   |
| BFE - Bacterial Filtration Efficiency          | Percentage of particles filtered out at a pore size of 1.0 - 5.0 microns (μ).   |
| PFE - Submicron Particle Filtration Efficiency | Percentage of particles filtered out at a pore size of 0.1 - 1.0 microns (μ).   |
| Delta P - Differential Pressure                | Pressure drop across mask, or resistance to air flow in mmH <sub>2</sub> O/cm <sup>2</sup> . Greater resistance = better protection but less breathability. |
| Flammability                                   | Measures the flame spread of the mask material.   |

\*SOURCE: American Society for Testing and Materials Standard specification for performance of materials used in medical face masks. F2100-11 Standard.

## Full Length Face Shield

|                         |     |
|-------------------------|-----|
| Filtration Efficiency   | N/A |
| Breathability - Delta P | N/A |

Physical Barrier Only



# Two Ply Pleated Masks | Basic Civilian Use

## KEY FEATURES

- ▶ Reduces exposure to germs/particles
- ▶ Reduces spread of germs/particles
- ▶ Pleated construction provides optimal fit for most face types
- ▶ Premium materials allow reduced inhalation and exhalation pressures
- ▶ Three-layer construction for performance and comfort



## SPECIFICATIONS

- ▶ **Materials:**
  - 1) Non-Woven Polypropylene
  - 2) Non-Woven Polypropylene
- ▶ **Strap:** Dual elastic ear loops
- ▶ **Nose Bridge:** Formable plastic nose bridge for secure fit
- ▶ **Size:** 17 cm x 9 cm
- ▶ **Weight:** 1.8 g

# Three Ply Pleated Masks | Civilian Use | Level 1

- ✔ *Physician-approved design for improved comfort and breathability*
- ✔ *Superior materials for maximum filtering efficiency*

## KEY FEATURES

- ▶ Reduces exposure to germs/particles
- ▶ Reduces spread of germs/particles
- ▶ Pleated construction provides optimal fit for most face types
- ▶ Premium materials allow reduced inhalation and exhalation pressures
- ▶ BFE  $\geq 95\%$



## SPECIFICATIONS

- ▶ **Materials:**
  - 1) Non-Woven Polypropylene
  - 2) Meltblown Filtration Layer
  - 3) Non-Woven Polypropylene
- ▶ **Strap:** Dual elastic ear loops
- ▶ **Nose Bridge:** Formable plastic nose bridge for secure fit
- ▶ **Size:** 17 cm x 9 cm
- ▶ **Weight:** 3 g

# Three Ply Pleated Masks | Medical Use | Level 3

- ✔ *Physician-approved design for improved comfort and breathability*
- ✔ *Superior materials for maximum filtering efficiency*

## KEY FEATURES

- ▶ Reduces exposure to germs/particles
- ▶ Reduces spread of germs/particles
- ▶ Pleated construction provides optimal fit for most face types
- ▶ Premium materials allow reduced inhalation and exhalation pressures
- ▶ BFE  $\geq 98\%$
- ▶ PFE  $\geq 98\%$



## SPECIFICATIONS

- ▶ **Materials:**
  - 1) Non-Woven Polypropylene
  - 2) Meltblown Filtration Layer
  - 3) Non-Woven Polypropylene
- ▶ **Strap:** Dual elastic ear loops
- ▶ **Nose Bridge:** Formable plastic nose bridge for secure fit
- ▶ **Size:** 17 cm x 9 cm
- ▶ **Weight:** 3 g

# Folded Masks | KN95

- ✔ *Physician-approved design for improved comfort and breathability*
- ✔ *Superior materials for maximum filtering efficiency*

## KEY FEATURES

- ▶ Reduces wearer's exposure to particles including small particle aerosols and large droplets (only non-oil aerosols)
- ▶ Filters out at least 95% of airborne particles including large and small particles
- ▶ Secure and comfortable fit for a wide range of face sizes and shapes



## SPECIFICATIONS

- ▶ **Materials:**
  - 1) Non-Woven Polypropylene
  - 2) Non-Woven Polyester
  - 3) Meltblown Filtration Layer
  - 4) Non-Woven Polypropylene
- ▶ **Strap:** Dual elastic ear loops
- ▶ **Nose Bridge:** Formable plastic nose bridge for secure fit
- ▶ **Size:** 15 cm x 11.5 cm
- ▶ **Weight:** 5.0 g



# Cup Respirators | N95

- ✔ *Physician-approved design for improved comfort and breathability*
- ✔ *Laboratory-Certified Performance*
- ✔ *Complies with N95 filtration requirements*

## KEY FEATURES

- ▶ Reduces wearer's exposure to particles including small particle aerosols and large droplets
- ▶ Filters out at least 95% of airborne particles including large and small particles
- ▶ Formed cup design provides secure and comfortable fit to the face
- ▶ Superior materials allow reduced inhalation and exhalation pressures



## SPECIFICATIONS

- ▶ **Materials:** Dual electrostatic Meltblown filtration layers and Hydrophobic non-woven polyester
- ▶ **Strap:** Dual elastic head straps
- ▶ **Nose Bridge:** Formable Aluminum nose bridge for secure fit
- ▶ **Nose Liner:** Polyurethane comfort foam
- ▶ **Size:** 14 cm x 12 cm
- ▶ **Weight:** 8 g





# Reusable Cloth Mask | Basic Civilian Use

- ✔ *US Government approved style pattern*
- ✔ *Unmatched comfort for extended wear*

## KEY FEATURES

- ▶ Antibacterial Treated Fabric
- ▶ Enhanced durability, tested for 40+ wash cycles
- ▶ Tri-layer Jersey Soft Cotton

**Contact Physicians Wellness Group to  
learn about custom cloth mask programs.**



## SPECIFICATIONS

- ▶ **Material:** 100% Cotton
- ▶ **Sizes:** L/XL, S/M, Youth

# Face Shield

🌿 *Recommended for Healthcare, Dentistry, Salon and other environments where safe distancing is not possible*

## KEY FEATURES

- ▶ Reduces wearer's exposure to particles including small particle aerosols and large droplets
- ▶ Premium quality scratch resistant plastic with anti-fog treatment
- ▶ Comfortable fit with fully adjustable headband



## SPECIFICATIONS

- ▶ PET plastic lens
- ▶ Adjustable elastic head band
- ▶ Polyurethane comfort foam

# Protective Goggles

 *Recommended for Laboratory, Dental and Industrial environments*

## KEY FEATURES

- ▶ Reduces wearer's exposure to particles including small particle aerosols and large droplets
- ▶ Premium quality, scratch resistant, easy to clean lense
- ▶ Comfortable fit with fully adjustable headband
- ▶ Four ventilation ports



## SPECIFICATIONS

- ▶ PETG plastic lens
- ▶ Adjustable elastic head band
- ▶ Soft translucent PVC body



# Sanitizing Solutions

Sanitizers play a critical role in reducing the spread of infectious disease and other germs in medical, civilian and other applications. Our sanitizers are available in various sizes, dispensing configurations and mediums, identify which is best suited for your application.

☛ *Kills 99.9% of Germs*



FDA

# Hand Sanitizer

## KEY FEATURES

- ▶ Gel formula for easier application
- ▶ Fragrance free formula
- ▶ Effectively kills 99% of germs

## SPECIFICATIONS

- ▶ 75% Alcohol formula
- ▶ 2 oz squeeze top
- ▶ 8 oz and 16 oz pump top
- ▶ Non-sterile topical solution



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[www.pwgproducts.com](http://www.pwgproducts.com)