

Product Bulletin for The PuraWard Fiber Filters

The PuraWard Fiber technology (PWF) is a high efficiency fiber embedded with a patent-protected antimicrobial technology. PuraWard fiber has been successfully applied to air filters, textiles, and respiratory masks. This respiratory mask meets FDA approval for its **antibacterial and antiviral properties**.

Function: PuraWard Fiber products immediately exhibit antibacterial and antiviral properties as copper and silver ions jointly attack the viral and bacterial cells. Copper ions weaken the amino acids of the cell wall, allowing silver to invade the cell. The copper and silver then react with key enzymes to cause sterilization, suffocation, and starvation of the pathogen.

Bacteria: Eliminates 99.99% of the following tested bacteria after one hour of contact with the surface:

- Methicillin-Resistant Staphylococcus Aureus
- Streptococcus pyogenes
- Haemophilus influenza

Virus: Eliminates 99.993 of the following tested viruses after five minutes of contact with the surface:

- Influenza A (H1N1), (H3N2)
- Avian influenza A (H9N2), (H5N1)
- Swine influenza A (H1N1)
- Equine influenza (H3N8)
- Influenza B
- Influenza A2

Air Filtration Applications:

- Homes Air Purifier/AC
- Schools Air Purifier/AC
- Hospitals Air Purifier/AC
- **Commercial HVAC**
- Automotive Cabin Air Filter
- Aerospace Cabin Air Filter

Textile Applications: As Fabric ONLY

- Garments
- Linens
- Blanket



Properties:

- PuraWard Filters can be used for long operations in Commercial HVAC.
- 75/25 fiber ratio (Regular/PuraWard) in an air filter provides 99.993 effectiveness
- Unique technology increases effectiveness after machine washing.

Safety:

- Non-hazardous
- No leaching
- No off-gassing
- No transdermal effects

Specifications

Application	Air Pre-Filters
Tenacity (g/cn)	4.5
Elongation (3)	40
Pressure Drop (mmWc)	5 mm
FPM	500
Size	24 x 24. 24 x 12 inch

Order information

Quantity	Order Based
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