

## PRODUCT BULLETIN

# THE PURAWARD FIBER

**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.

**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 99.96% of the following tested bacteria after one hour of contact with the surface:

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

**Properties:**

- PuraWard Fiber can be subjected to single or multiple uses over long durations.
- 50/50 fiber ratio (Regular/PuraWard) in an air filter provides up to 99.99% effectiveness
- Unique technology increases effectiveness after machine washing.

**Safety:**

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



**Virus:** Eliminates up to 99.98% 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

### SPECIFICATIONS

Denier	2.4 or 1.7
Tenacity (g/cn)	4.5 g/cn
Elongation (%)	40 %
Finish level (%)	0.18 %
CPLI	8
Cut length (mm)	38, 51 or 60 mm

### ORDER INFORMATION

Quantity	5 tons
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