

NEW!

Silver I<sup>™</sup>  
antimicrobial

# PowerFlex<sup>®</sup>·AFD

## ABSORBENT FOAM DRESSING



**Why is silver used in PowerFlex AFD Silver I?**



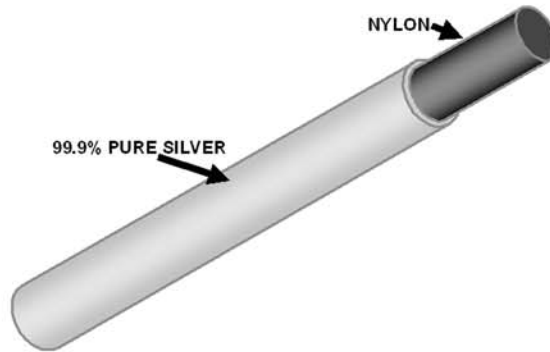
Silver coated nylon fibers are found to be >99.99% effective against MRSA (*Methicillin Resistant Staphylococcus aureus*) and other bacterial infections. [Silver] provides resistance to microbial colonization within the dressing and provides a barrier against the penetration of exogenous microbes. (Source: ATS-Labs and NAMSA)



**What is X-Static<sup>®</sup> silver?**



- 99.9% pure silver
- 100% surface area
- Flexible
- Permanent
- Safe & natural



**What are the performance benefits of X-Static<sup>®</sup> silver?**



- Anti-microbial
- Anti-odor
- Thermodynamic
- Anti-static/conductive
- Hydrodynamic



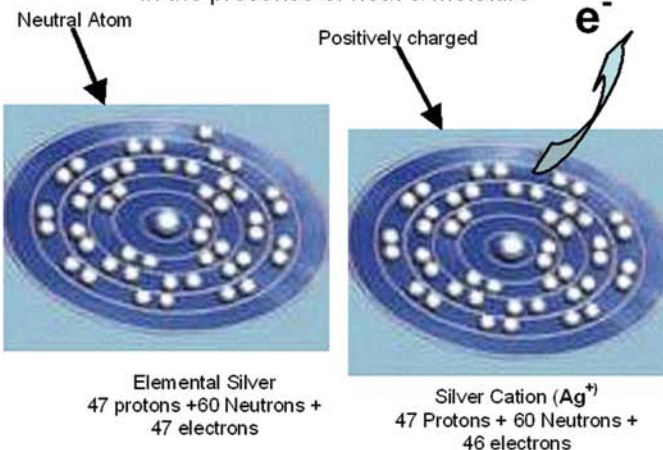
**What do antimicrobials do?**



- Kill or inhibit microbes
- Disturb cell functions in bacteria
- Metal ion antimicrobials alter negatively charged sites on cells
- Silver Cation ( $Ag^+$ ) is an important antimicrobial

### The Action of Silver

in the presence of heat & moisture



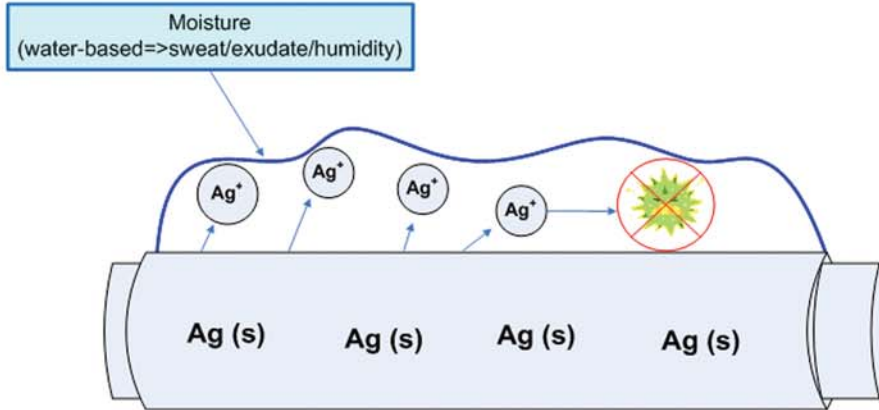
# PowerFlex AFD Silver I



How does the silver work?



## The Action of Silver



In the presence of heat or moisture the Silver ions are released and attack the microbes.



Why X-Static® for PowerFlex AFD Silver I?



- Broad spectrum
- Fast acting
- MRSA and other multidrug-resistant organisms (MDRO)
- Efficient
- Permanently bonded silver - no flaking, no shedding
- X-Static® continuously performs

Questions 2-5 source: Noble Fibers Technologies, LLC

