

# Medical Grade Antimicrobial PVC & TPE Compounds

Silver ion technology for patient-contact products. An effective way to help stop the growth of harmful microorganisms where good hygiene is critical.

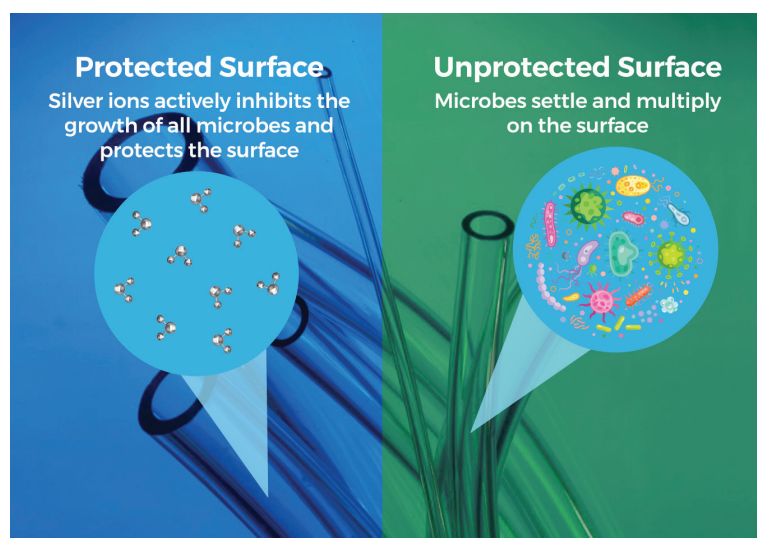


## OVERVIEW

TekniPlex Healthcare offers a range of medical grade PVC & TPE compounds containing silver ion technology to produce antimicrobial properties. Harnessing the natural power of silver ions, our compounds are designed to combat a broad spectrum of microorganisms, ensuring patient safety and product longevity.

### Benefits of Our Medical Grade Antimicrobial Compounds:

- **Natural Protection:** Silver, a naturally occurring antimicrobial, integrated seamlessly into our compounds.
- **Broad Spectrum Efficacy:** Effective against a wide range of microorganisms from E. coli (Escherichia coli) and Salmonella to antibiotic-resistant bacteria like MRSA (Methicillin Resistant Staphylococcus Aureus) and VRE (Vancomycin-resistant enterococci).
- **Proven Results:** Products made with silver-containing compounds can achieve 80% bacteria reduction in 15 minutes and are over 99.9% effective after 2 hours. TekniPlex Healthcare's medical grade compounds were tested to ISO 22196:2011 standards and shown to reduce E. coli and S. aureus (staphylococcus aureus) by over 99.9% in 24 hours.
- **Long-Lasting Protection:** Unlike disinfectants that last a few hours, our antimicrobials provide protection for the product's lifetime.
- **Innovation at Its Best:** Our compounds can be tailored to fit most medical grade PVC & TPE requirements, ensuring flexibility in application.
- **Healthcare Benefits:** Supports customer needs to reduce healthcare-associated infections (HCAIs), reduce bacterial load, and help promote improved patient outcomes.



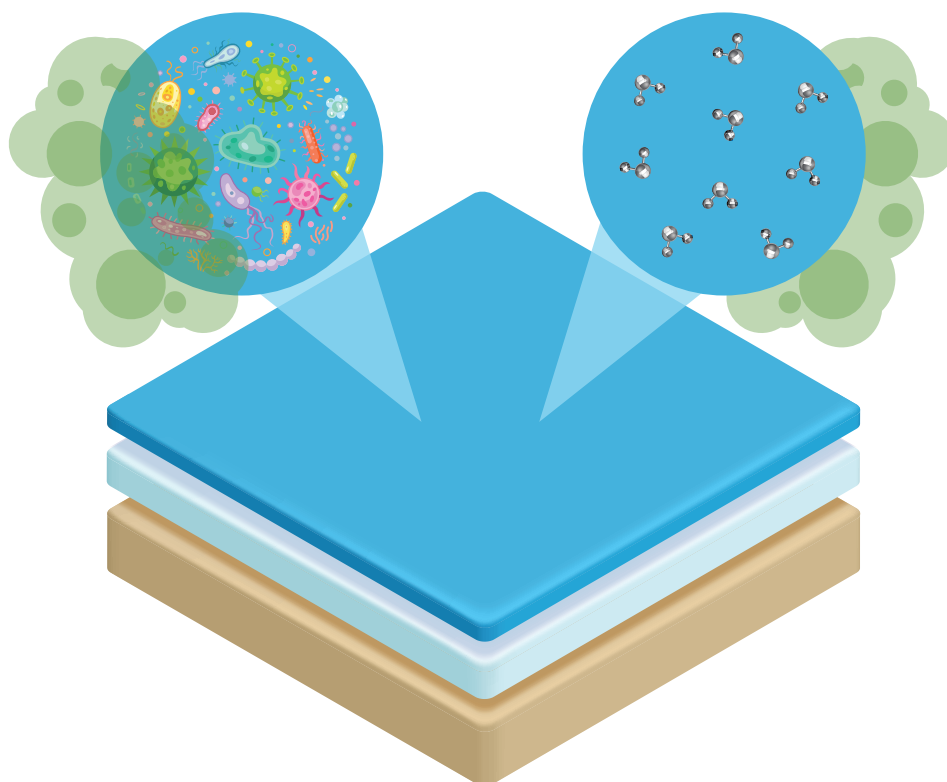
# Medical Grade Antimicrobial PVC & TPE Compounds

## Without Antimicrobial Protection

Microbes settle and multiply on surfaces, causing degradation

## With Antimicrobial Protection

Silver ions actively inhibits all microbes and protects the surface



## Our Product Offerings:

### Medical Grade Antimicrobial PVC & TPE Compounds:

- Medical Grade Flexible PVC Compounds
- Medical Grade Rigid PVC Compounds
- Medical Grade Cellene® TPE Compounds

## Possible Applications:

### Patient contact products such as:

- Medical Connectors
- Medical Gas Hoses
- Medical Tubes (Catheters)
- Medical components of injection systems (syringes and pens)



For additional information, please visit:  
[tekni-plex.com/healthcare](https://tekni-plex.com/healthcare)