

# Newlife Healthcare

## COPPER & SILVER



NEWLIFE  
follow the upcycled yarn

**NEWLIFE HEALTHCARE** is a sustainable continuous filament yarn made with post consumer mechanically recycled PET chips.

It has been developed leveraging on the unique properties of **COPPER** and **SILVER**. Since ancient times Copper has been used as an effective defence against a broad range of bacteria (Gram-positive and Gram-negative), viruses and also for its antifungal properties.

## Technology

**NEWLIFE HEALTHCARE** has an efficient and durable bacteriostatic effect thanks to:

- Technology based on metallic ions of Copper and Silver
- Porous stabilizing carrier system
- Direct incorporation of the additive during filament extrusion

## Properties

The positively charged Copper and Silver ions located on the surface of **NEWLIFE HEALTHCARE** bind with microbes causing their enzymes to break down. This dynamic prevents enzymes from producing energy and also prevents bacterial reproduction.

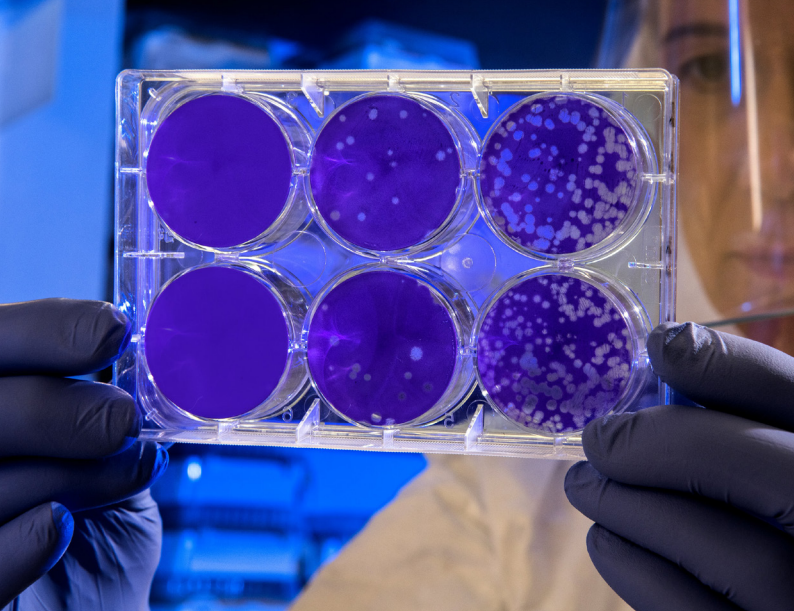


## Applications

**NEWLIFE HEALTHCARE** is suitable for production of Personal Protective Equipment (PPE) such as facial masks.

**NEWLIFE HEALTHCARE** is used in apparel, footwear, home textiles for its ODOUR CONTROL capability inhibiting bacterial growth and preventing formation of unpleasant odours. This same technology is used in Hospital and other medical situations to assist with Infection Control by applying the solution in risk areas such as air handling units, carpeting and other fabrics as well as construction materials.





## Effectiveness

The Bacteriostatic capability has been tested according to standard ISO 20743:2013 with Staphylococcus aureus (ATCC 6538) and Escherichia Coli (ATCC 8739) - Intertek report # TWNC00787153, confirming:

- Efficacy of antibacterial property:
  - STRONG (A>3)
  - Reduction Rate: >99.99%

## Durability

The Durability of the bacteriostatic feature has been tested by submitting samples to repeated washing cycles according to standard ISO 20743:2013 with Staphylococcus aureus (ATCC 6538); 8 cycles (40 washes) as per AATCC 61-2013 – Intertek report #TWNC00792809 , confirming:

- Efficacy of antibacterial property: STRONG (A>3)
- Reduction Rate: >99.99%



Newlife™ has defined a strict brand policy to protect the entire production range and defend its values



THE LEADING BRAND



SUSTAINABLE



TRUST



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issued by



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