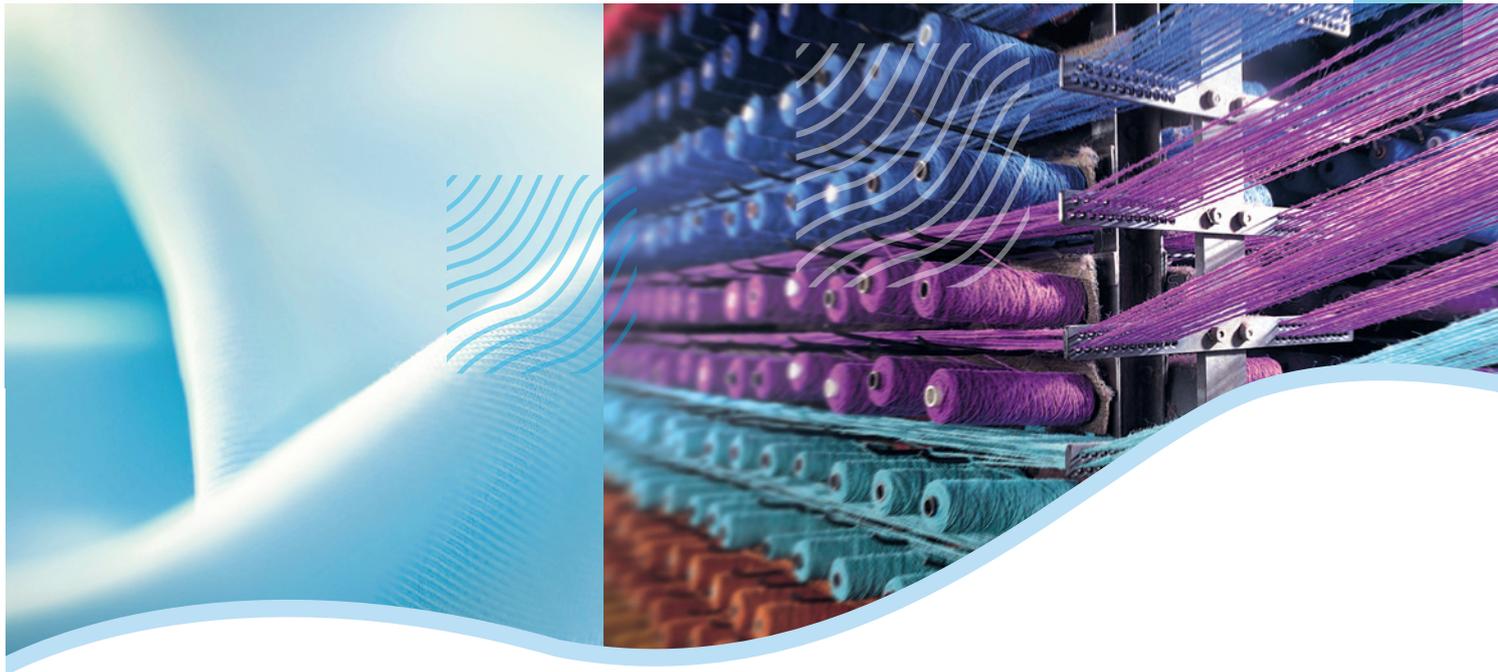


# DOMO

caring  
is our formula



## **NYLEO<sup>®</sup> SAFE**

**Bacteriostatic Nylon 66 Fiber**  
**Permanent bacteriostatic effect**



# NYLEO<sup>®</sup> SAFE

## Bacteriostatic Nylon 66 Fiber provides a permanent bacteriostatic effect

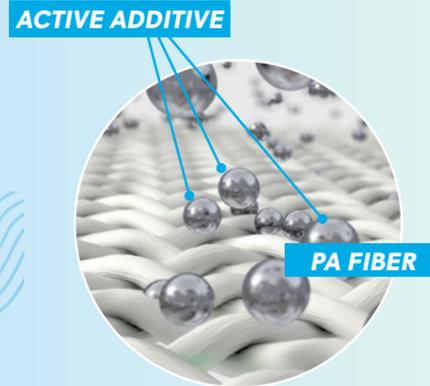
**Bacteria propagation is a major health concern.** Bacteria, both good and bad, are all around us. While most are not dangerous thanks to our immune systems, without treatment or specific additives, bacteria will keep reproducing. Therefore, **NYLEO<sup>®</sup> SAFE**, our new bacteriostatic fiber is our solution to fight against bacteria propagation.

A bacteriostatic agent is introduced into the polymeric matrix, creating **a long-lasting effect to protect the fibers and inhibit the growth of bacteria** while maintaining all the standard characteristics of nylon 66 fibers like comfort, mechanical resistance and durability.

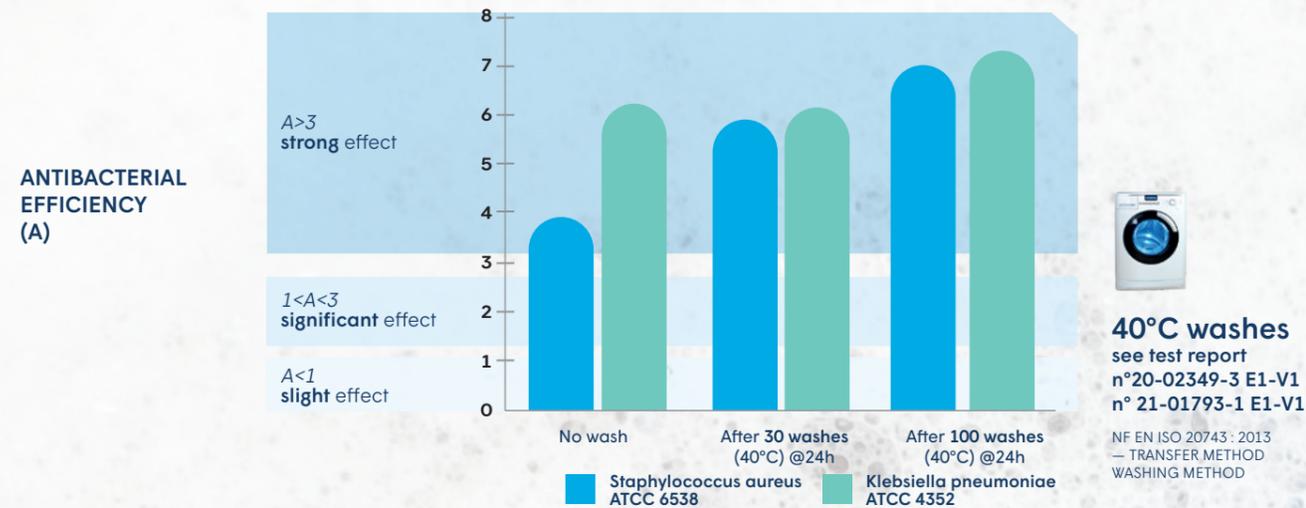
**Thanks to this technology, we have better control over the level of bioactivity and the bacteriostatic properties are resistant to washing as the agent cannot wash out.**



Applying the active additive INTO the fiber



## A proven long lasting and resistant bacteriostatic effect over 100 washing cycles (knitted fabrics)

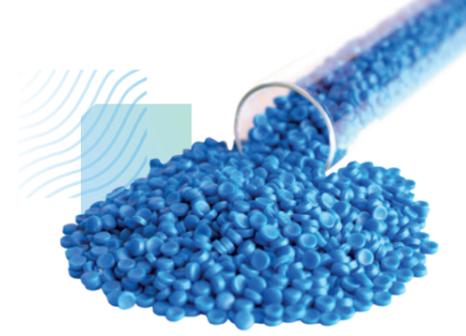


## Silver-based ions inhibit bacteria growth

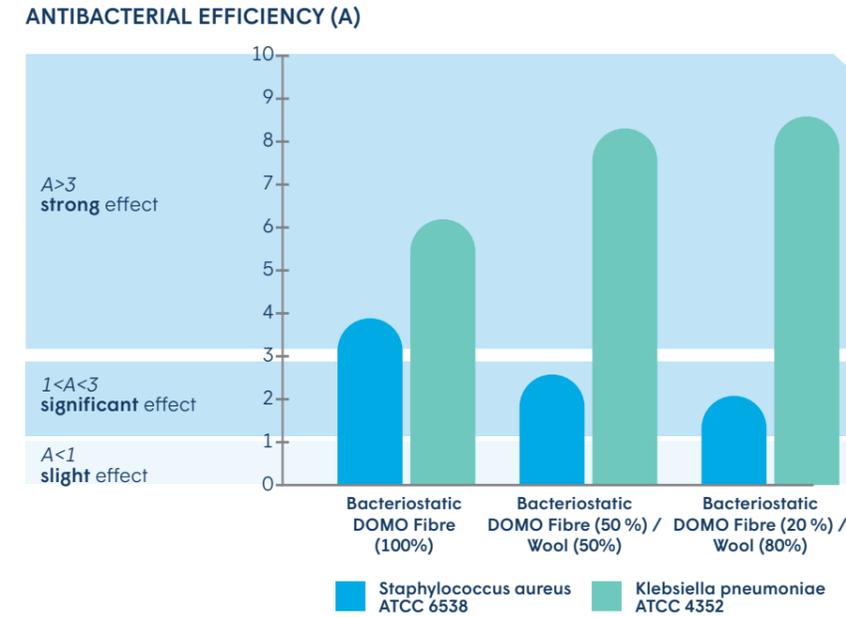
**NYLEO<sup>®</sup> SAFE** features **a powerful and compliant solution of silver-based ions.** Silver is widely used for human contact applications and is known to be effective against a broad spectrum of microorganisms that cause odor, discoloration, biofouling and other aesthetic problems.

## Excellent antibacterial efficiency

According to laboratory tests, **over 99.99% of bacteria are inhibited with bacteriostatic fiber on pure nylon 6.6 fabrics** after 24 hours of contact with bacteria like staphylococcus aureus or klebsiella pneumoniae.



## A significant effect from 20% of DOMO bacteriostatic fiber in a blend



**NYLEO<sup>®</sup> SAFE** provides a proven, long-lasting effect even after 100 washing cycles, and a significant effect with a 20% blend of **NYLEO<sup>®</sup> SAFE** fiber with other non-treated fibers.

## A full product offer to co-develop new applications with nylon 66 fibers

**NYLEO<sup>®</sup> SAFE** for...

Textile tow-to-top conversion  
3.3 Dtex crimped tow

Flock technology  
1.7 Dtex tow

Textile cotton spinning  
1.7 Dtex / 40 mm cut length staple fibers

Flock technology  
1.7 Dtex tow

Woolen cotton spinning  
3.3 Dtex / 50 mm cut length staple fibers





## **DOMO CHEMICALS**

DOMO Chemicals is a leading engineering materials company and highly integrated solution provider committed to the sustainable future of polyamides.

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