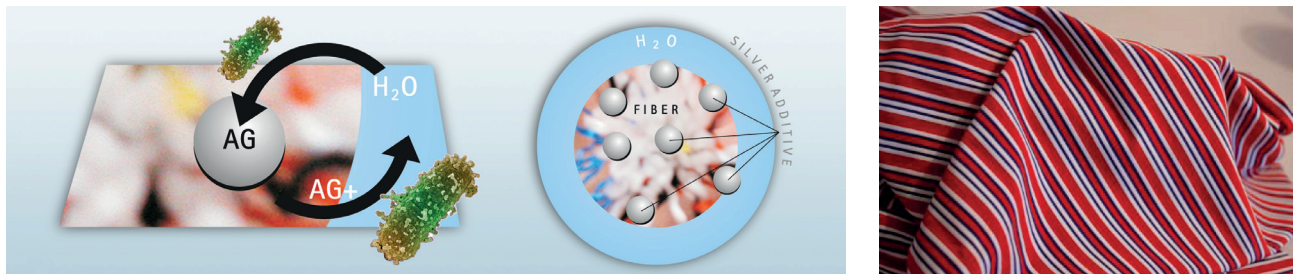


BACTERIOSTATIC YARN

- It is a **Polyester** continuous filament produced by Noyfil SA, a company belonging to the Fibres area of RadiciGroup. It can boast antimicrobial properties whose workability is guaranteed by **silver ions** embedded within the fibre.
- The bacteriostatic additive, a new generation compound by HEIQ, is applied during the extrusion phase without post-processing, thus having **no impact** on the textile characteristics of the yarn. The effectiveness of the bacteriostatic action is guaranteed and certified, its **long-lasting effect** resists also to repeated washing.
- It allows Complete **versatility** of production and it comes as solution dyed, flame retardant FR and FR-UV stabilized.

The Microcompound is distributed within the entire mass of the filaments.

The spread of the moisture on the filament surface determines the release of silver ions.



Silver: a natural and antimicrobial material

Silver exercises an effective control of all gram positive and gram negative bacteria. Its microparticles showed their effect against some fungi as well.

Gram-positive bacteria	Gram-negative bacteria	Fungi
Staphylococcus Aureus	Kletsilla Pneumoniae	Chaetonium globosun
Enterococcus Faecalis	Escherichia Coli	Aespergillus Niger
Bacillus Cereus	Pseudomonas Fluorescens	
Listeria Monocytogenes	Salmonella Enteritidis	
MRSA	Salmonella Typhimurium	

EN ISO 20743:2007-JIS 1902:2002

(EN 14119_A - 2003-12)

Multifunctionality

The bacteriostatic functionality of this yarn can be combined with flame retardant properties (FR) and / or a UV stabilizing effect.



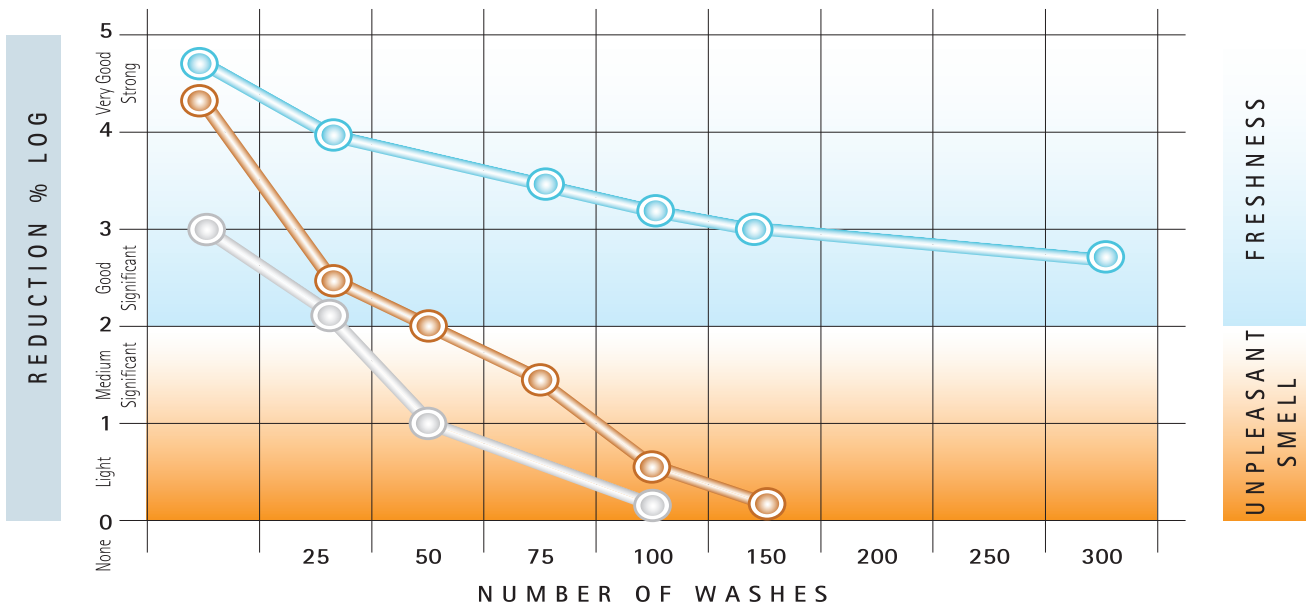
Principles of the Antimicrobial Activity of Silver Ions:

- They damage the surface of the bacterial cell.
- They inhibit breathing through the cell membrane.
- They create bonds with the molecules of the bacteria.

Their Effectiveness is Certified, their Performance is Guaranteed

- Tests in accordance with ISO 20743:2007 and JIS 1902:2002.
- Performance unaltered after 300 washes at 40 °C.

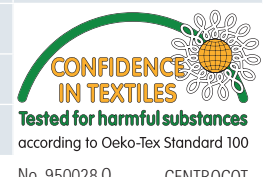
Performance test. Bacteriostatic effect after 300 washes at 40°C (UNI EN ISO 6330)



● Knitting fabric 100% STARLIGHT® Bacteriostatic Yarn - Black- Solution Dyed.
 ● Knitting fabric 100% Bacteriostatic STANDARD PET - Black - Yarn Dyed.
 ● Knitting fabric 100% STANDARD PET with bacteriostatic finishing.

Applications, Sectors

APPAREL	FURNITURE	AUTOMOTIVE	HEALTH CARE	TECHNICAL APPLICATIONS
Sports	Linen	Seat	Sheets	Filters
Underwear	Covers	Coverings	Elastic Bands	
Linings	Coverings			
Health	Hospital Linen			
Socks				



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