

Intrinsically
antimicrobial yarns



Antbac

by

ANTEX

A continuous filament yarn with antibacterial and antifungal properties resulting from the incorporation of silver ions in its structure.

Unlike a surface treatment performed during the finishing process, this antibacterial property is intrinsic.

MAIN FEATURES



Reduces the formation of bad odors
Thanks to its Antibacterial and Antifungal Activity



Permanent Effect



Easy Care. No adverse effects on the skin



Washed using shorter wash cycles, thus reducing water and energy consumption

POTENTIAL APPLICATIONS

Sports garments — Medical textiles
Home textiles — Technical fabrics

PRODUCT APPLICATIONS

The Antbac range includes a great variety of products to suit the requirements of the customer:

- Textured yarns (air and friction)
- Twisted yarns
- Package dyeing
- Mass dyeing
- Multifilament and microfilament versions
- Ynviron recycled polymers

Due to the many applications of Antbac yarns, the results, information and recommendations given are purely for guidance purposes. We recommend performing trials and tests for the final applications for which each article is intended.

TESTED BY



Antbac antibacterial activity

BACTERIA	AATCC TM100-2019
Staphylococcus aureus ATCC 6538	>99% reduction
Klebsiella pneumoniae ATCC 4352	

BACTERIA	ISO 20743:2013
Staphylococcus aureus ATCC 6538	5.14
Klebsiella pneumoniae ATCC 4352	4.53

Assesment criteria

According to DIN EN ISO 20743:2013, Appendix F

Antibacterial activity	Growth reduction efficacy [log cfu]
no	< 0,5
slight	≥ 0,5 to 2
significant	≥ 2 to 3
strong	≥ 3

Note: A certificate of the antibacterial activity can only be granted if significant efficacy is proven —independently of the antibacterial graduation.

There is strong antibacterial activity with the test strains staphylococcus aureus ATCC 6538 and klebsiella pneumoniae ATCC 4352 under the given test conditions for the tested samples, calculated with the control material (non treated pes).



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