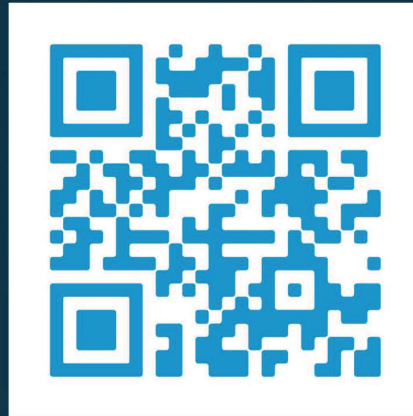


For more information



*Reminder*

The use of textile articles made with AMNI® VIRUS-BAC OFF polyamide does not eliminate the need for frequent care and hygiene, according to the safety instructions of the competent health authorities.

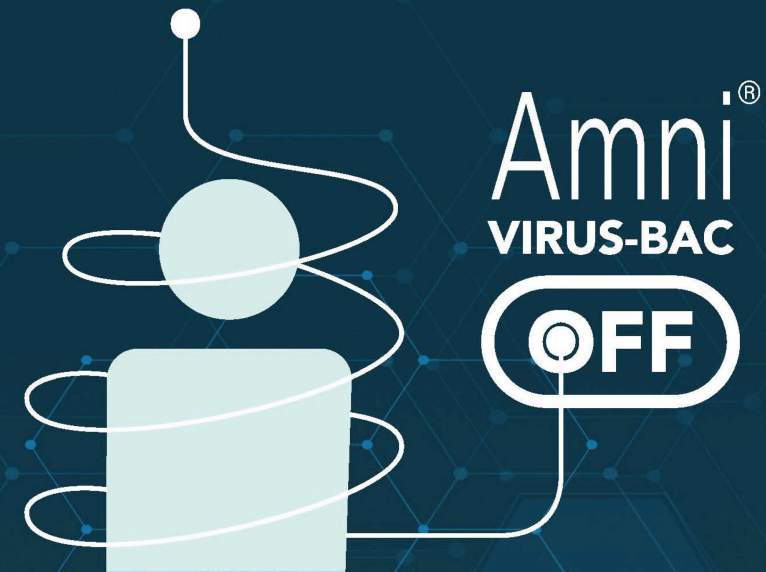
*Importante:*

Please check that the intended use of your product complies with requirements for your target market. If your product is intended for regulated markets, such as medical products, food, etc., please check the regulatory requirements of your final article, by contacting the responsible authority.

Regulation vary from country to country, please check with local authorities before starting the qualification and sale process on the international market to understand the legal requirements.

Before communicating your product with Amni® Virus-Bac OFF, please validate your communication material with Solvay Group marketing team.

**ROYALTY  
SAFE**



# SOLVAY POLYAMIDE THAT PROTECTS AGAINST VIRUS AND BACTERIAS



Bacteria and viruses are able to adhere to textile surfaces, which can carry these microorganisms, becoming a dangerous vehicle for contamination and transmission.

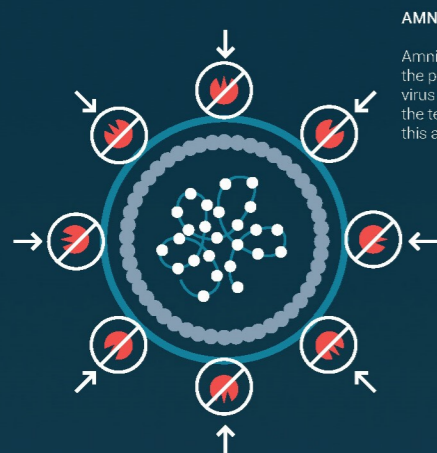
Thus, Rhodia, a Solvay Group company developed **AMNI® VIRUS-BAC OFF**, a **polyamide yarn with an antiviral and antibacterial agent** in its polymeric matrix that helps to block the crosscontamination of viruses and bacterias,

since it is capable of disabling the viruses and bacterias present on the textile surface.

Developed to eliminate the proliferation of bacteria and inhibit the transmission of viruses on textile articles, the **Amni® Virus-Bac OFF** polyamide offers a protection against bacteria and viruses, including the enveloped viruses, as influenza, new coronavirus, and others.

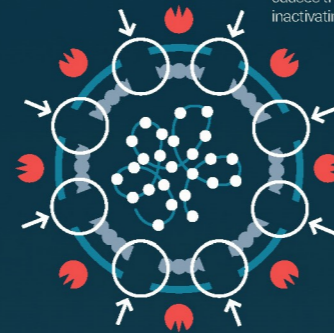
## How the antiviral action AMNI® VIRUS-BAC OFF works:

Examples of enveloped viruses



AMNI® VIRUS-BAC OFF action

Amni® Virus-Bac OFF blocks the protein areas when the virus comes into contact with the textile surface made with this antiviral polyamide.



AMNI® VIRUS-BAC OFF action

The polyamide Amni® Virus-Bac OFF causes the envelope to rupture, inactivating the virus.

1. Amni® Virus-Bac OFF agent in the polymeric matrix blocks specific protein areas and/or protein spikes on the external virus structure. These areas and spikes are responsible for anchoring on the human cell. viruses are not able to anchor on the host cell when this block occurs.

2. Besides that the antiviral agent in the Amni® Virus-Bac OFF polymeric matrix attacks the lipids and causes the envelope to rupture. After this envelope rupture occurs, the genetic material is exposed, inhibiting virus replication. Thus, the virus is inactivated.

## PERMANENT EFFECT

Amni® Virus-Bac OFF polyamide also has the great advantage of the **permanent effect**, which means that its **antiviral and antibacterial action will remain throughout the life of the textile article**, that is, a garment will have the same efficiency and uniformly, even after unlimited washing cycles.

TEXTILE ARTICLE MADE WITH AMNI® VIRUS-BAC OFF POLYAMIDE



## AMNI® VIRUS-BAC OFF polyamide offers advantages for textile producers

	PERMANENT EFFECT	HOMOGENEITY AND HIGH PERFORMANCE	ENVIRONMENT IMPACT	AGILE MANUFACTURING
TEXTILE ARTICLE MADE WITH AMNI® VIRUS-BAC OFF POLYAMIDE				
TEXTILE ARTICLE PRODUCED WITH COATING				

## In addition to protecting against viruses and bacteria, AMNI® VIRUS-BAC OFF offers all the benefits of AMNI® POLYAMIDE



INCREASES the feeling of FRESHNESS and COMFORT



Provides THERMAL COMFORT



KEEPS the polyamide SOFT TOUCH



EASY CARE- It washes easily, dries fast and It does not need ironing.



The polyamide production process RESPECTS THE ENVIRONMENT

The entire production of the **Amni® Virus-Bac OFF** polyamide thread is born out of a process that respects the environment. With the closed water cycle, 0% waste generation and reduced CO2 emissions.

## AMNI® VIRUS-BAC OFF polyamide benefits:



**IT INHIBITS ENVELOPED** viruses (as influenza, herpes and new coronavirus) and **AND NO-ENVELOPED**, helping to avoid the re-transmission of viruses from textile surface



**IT INHIBITS BACTERIA**, offering more protection



There is **NO** chemical migration from the fabric to the skin and the environment



**IT BLOCKS THE CROSS CONTAMINATION** of viruses and bacteria on textile surface, thanks to antiviral and antibacterial agent in its polymeric matrix



**EXTENDS** the useful life of fabrics and garments

## AMNI® VIRUS-BAC OFF polyamide can be applied in several segments

- Masks
- School Uniforms
- Workwear
- Military Workwear
- Garments and casualwear

- Sportswear
- Handbags, backpack and accessories
- Footwear
- Bed sheets and liners
- Medical clothing
- Carpets