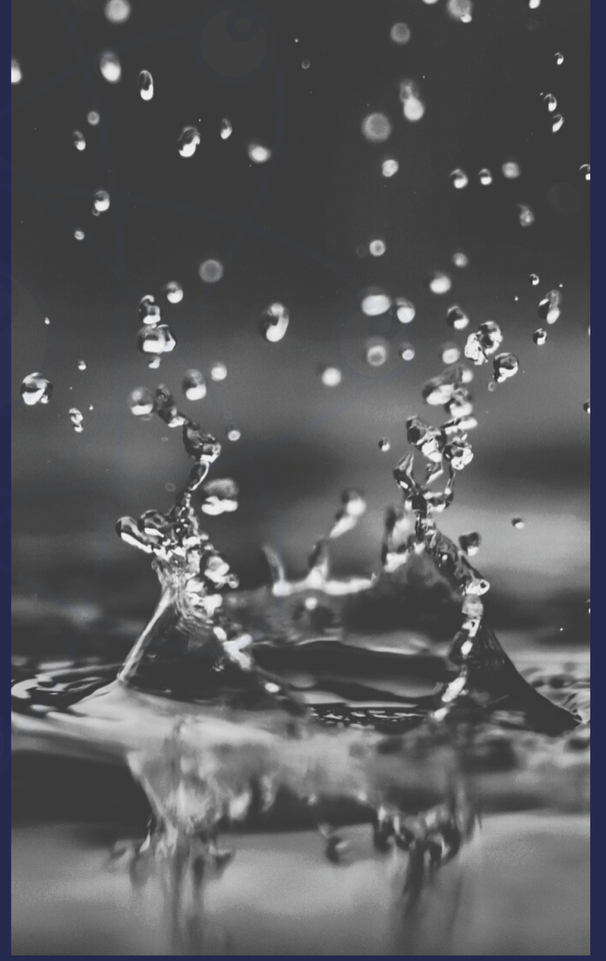
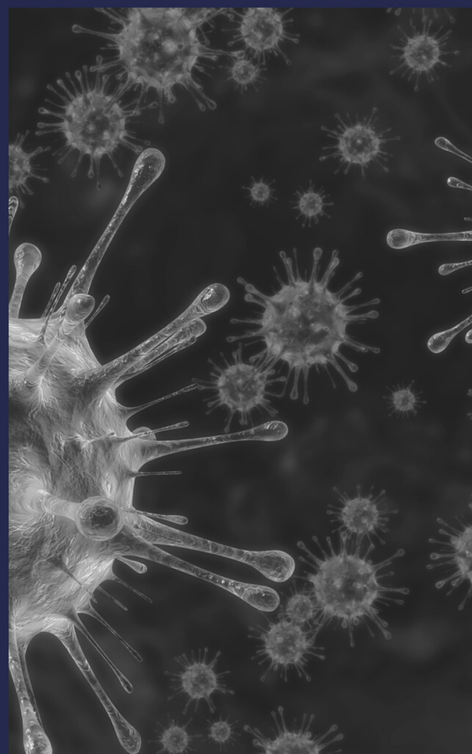
SOLVAY
PROGRESS BEYOND

Amni
VIRUS-BAC
OFF

AMNI® ANTIVIRAL SOLVAY POLYAMIDE

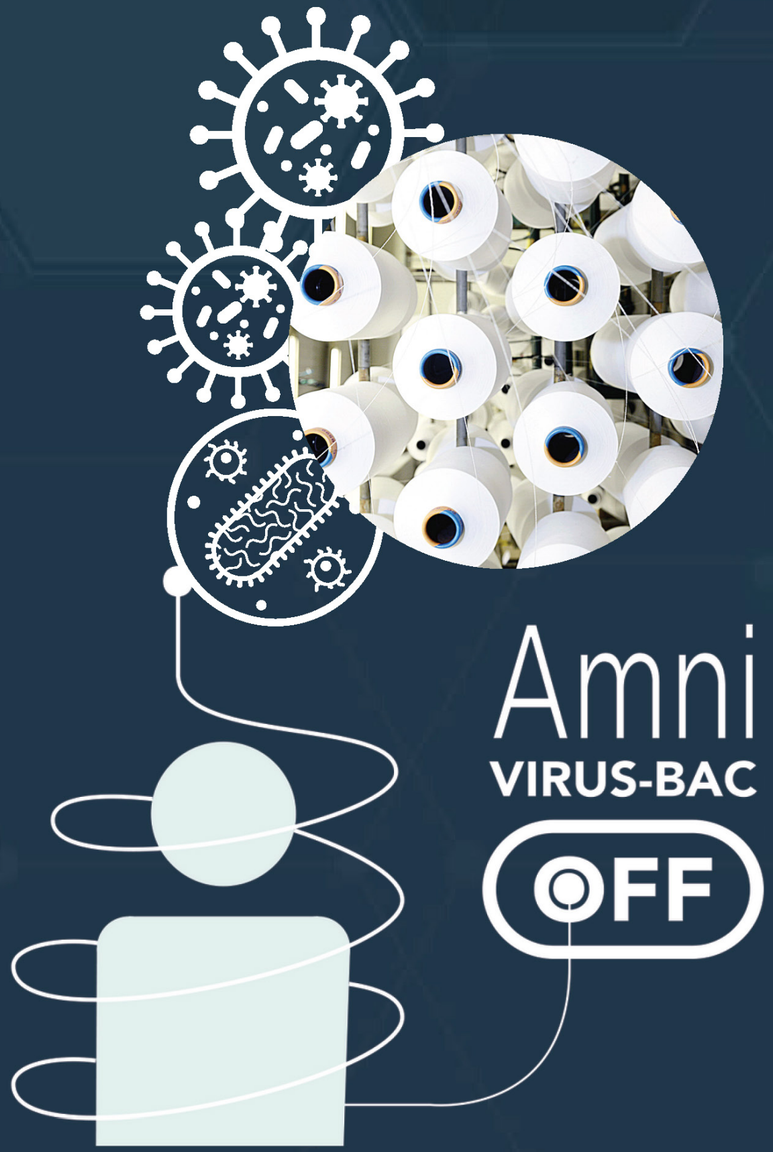




TEXTILE ARTICLES

Bacteria and viruses are able to adhere to textile surfaces, which can carry these microorganisms, becoming a dangerous vehicle for contamination and transmission.
According to researchers from all over the world, the new coronavirus (Covid-19) can remain active on textile surfaces for at least 2 days at room temperature.

Taking this into account, Solvay developed the Amni® Virus-Bac OFF, an antiviral and antibacterial polyamide textile yarn with permanent effect.



Amni® Virus-Bac OFF is a functional polyamide yarn with antiviral and antibacterial agent in its polymeric matrix helping to avoid the re-transmission of viruses from textile surface.

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

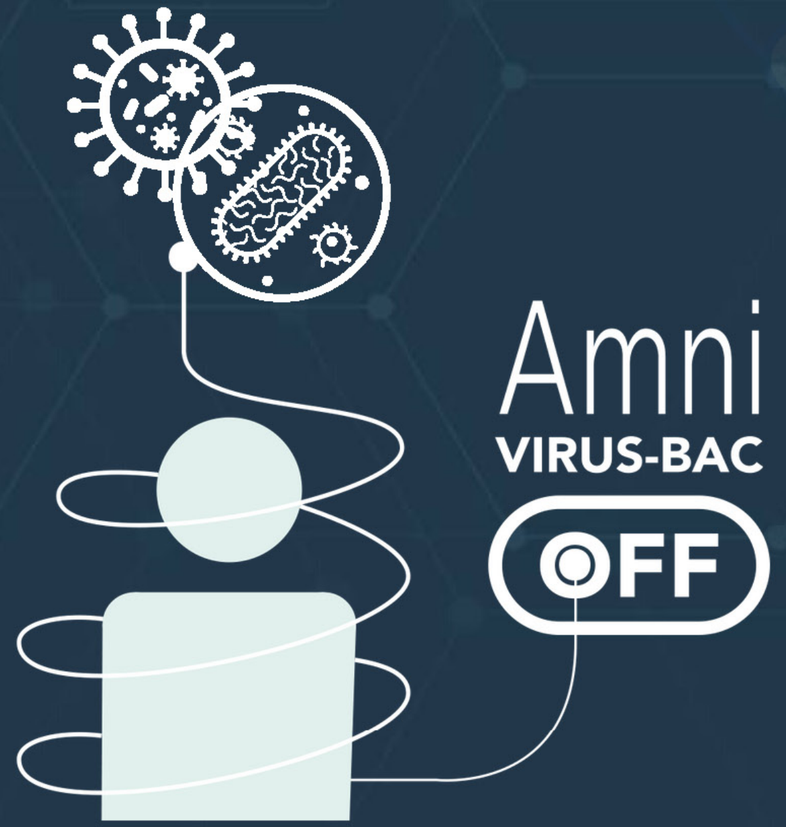
Textile articles developed from Amni® Virus-Bac OFF Polyamide reduce the likelihood of contamination, since they are capable of disabling the viruses and bacteria present on the textile surface.

Amni® Virus-Bac OFF yarn acts on groups of enveloped, non-enveloped viruses and bacteria.

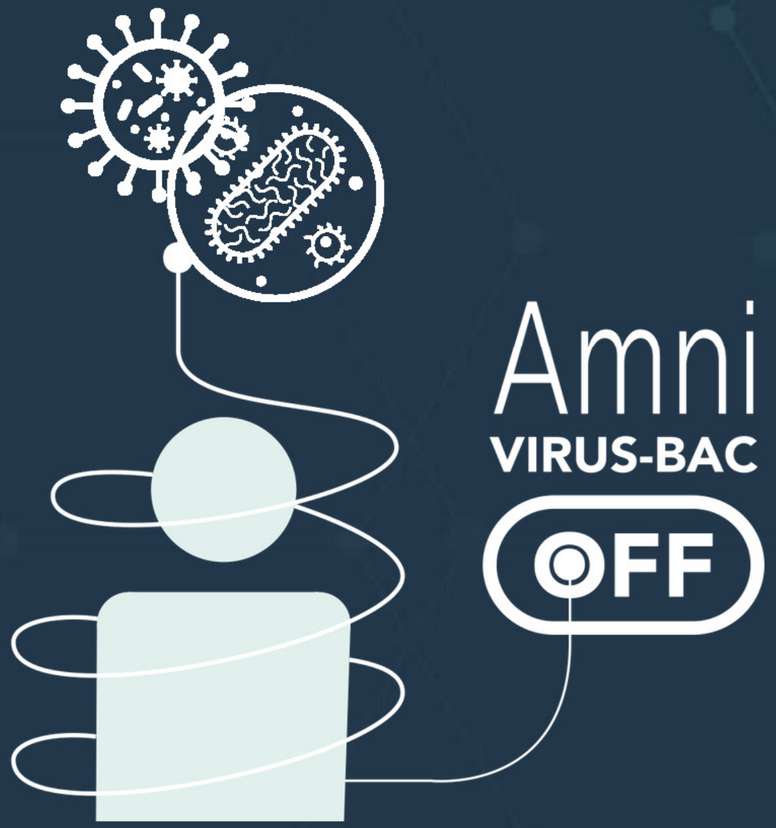
AMNI® VIRUS-BAC OFF POLYAMIDE COMBINES TWO MECHANISMS OF ACTION TO COMBAT THE VIRUS

Amnil® 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.

Besides that the antiviral agent in the Amnil® 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 not able to contaminate



PROVEN EFFECTIVENESS



The effectiveness of Amni® Virus-Bac OFF polyamide was proven following the protocols according to ISO 18184 standard (Determination of Antiviral Activity of Textile Products) and proven antibacterial action, in accordance with the international textile standards AATCC100.

AMNI® VIRUS-BAC OFF BENEFITS

IT INHIBITS enveloped* and non-envelop viruses, helping to avoid the re-transmission of viruses from textile surface

IT BLOCKS the cross-contamination of viruses and bacteria on textile suface, thanks to antiviral and antibacterial agent in its polymeric matrix

IT INHIBITS bacteria**, offering more protection

IT HAS A PERMANENT EFFECT, which means that its antiviral and antibacterial action will remain throughout the life of the textile article, even after unlimited washing cycles

*Tests performed according to ISO 18184/ **AATCC 100

ADVANTAGES OF AMNI® VIRUS-BAC OFF

	PERMANENT EFFECT	HOMOGENEITY AND HIGH PERFORMANCE	ENVIRONMENT IMPACT	AGILE MANUFACTURING
TEXTILE ARTICLE MADE WITH **AMNI ANTTIVIRAL POLYAMIDE**	👍	👍	⚡	🏭
TEXTILE ARTICLE PRODUCED WITH COATING	👎	👎	⚡⚡⚡	🏭🏭🏭

AMNI® VIRUS-BAC OFF

POLYAMIDE BENEFITS

- Increases the feeling of freshness and comfort;
- Keeps the polyamide soft touch;
- Provides thermal comfort;
- Easy care - It washes easily, dries fast and It does not need ironing.

REGULATIONS

- Please, check first with SOLVAY that the intended use complies with the legal requirements for your target market.
- If your product is a medical device, please check regulatory requirements for your final article, contacting your responsible (national) authority.
- Regulation vary from country to country, please check with local authorities before starting the qualification process to understand the requirements

ROUTINE CLEANING

The use of textile articles made from Amni® Virus-Bac OFF polyamide does not eliminate the need for frequent hygiene care, according to the safety instructions of WHO (World Health Organization).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