NEXAR™
ANTI-FOG

Next-Level Clarity

Introducing Nexar™ Anti-Fog Films & Coatings

Nexar Anti-Fog coatings and films is a sulfonated polymer technology designed to address fogging challenges experienced by healthcare professionals when using disposable personal protection equipment (PPE) such as face shields and eye protection. This revolutionary technology represents a significant leap forward in protective eyewear anti-fogging capabilities, offering excellent clarity and improved performance.

A recent survey of 1,600 healthcare workers indicated that fogging was their primary concern when wearing a face shield and was a significant barrier to properly using PPE.[1] Our Nexar product portfolio helps provide healthcare workers with a superior solution that allows for prolonged, fog-free eyewear ensuring uncompromised visibility and enabling improved worker safety.

Fog-Defying Innovation

While most anti-fogging solutions are based on hydrophilic or hydrophobic functionality, Nexar's unique amphiphilic polymer technology combines both hydrophobic and hydrophilic segments for optimal performance. It's hydrophobic properties can also provide superior strength, flexibility, and adhesion as a coating to films and surfaces.

Further, a study done by researchers at Massachusetts General Hospital concluded that Nexar-coated protective eyewear greatly improved providers' visualization due to its antifogging properties.[2] Nexar is also not manufactured with per- and polyfluoroalkyl substances (PFAS) "forever" chemicals commonly found in traditional anti-fog options, providing a more sustainable alternative to the market.

Features:

- Unique Amphiphilic Polymer Performance
- Advanced Nanochannel Technology
- Instantly Absorbs and Clears Water Vapor
- Absorbs Over 200% of its Weight in Water

Benefits:

10X
10x Better Anti-Fog Performance*

High Optical Clarity

Exceeds Industry Standards (ANSI & ASTM Tests)**

PFAS
Not Manufactured with PFAS "Forever" Chemicals

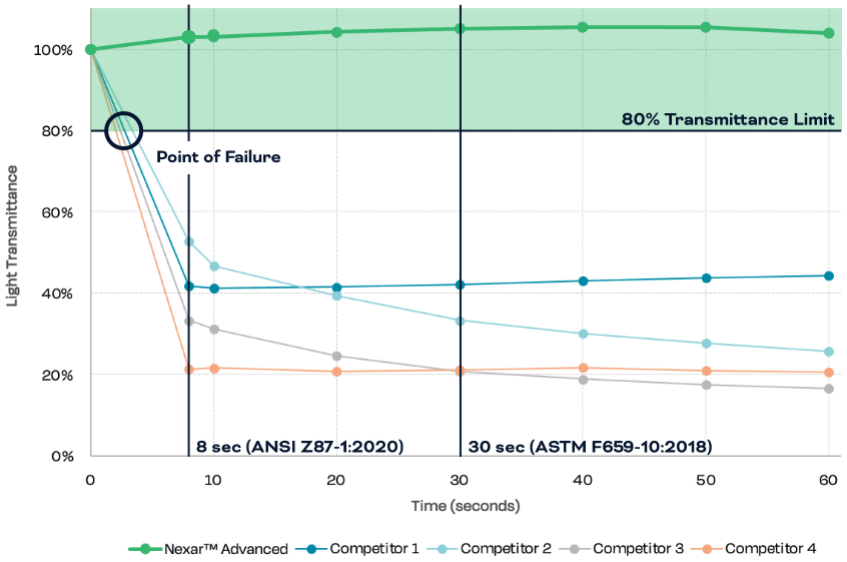
*ASTM Z87.1 testing of competitors at 3rd party lab
**ANSI Z87.1 & EN166 Anti-Fogging Standard at 3rd party lab

References
[1]Kurtz CE, Peng Y, Jesso M, Sanghavi H, Kuehl DR, Parker SH. Using a human factors-centric approach to development and testing of a face shield designed for health care workers: A COVID-19 case study for process and outcomes. Am J Infect Control. 2022 Mar;50(3):306-311. doi: 10.1016/j.ajic.2021.10.033. Epub 2021 Nov 12. PMID: 34774896; PMCID: PMC8861890.
[2]Keschner YG, et al. BMJ Innovation 2022;0:1–6. doi:10.1136/bmjinnov-2022-000962. Effectiveness of an anti-fog polymer coating in protective eyewear: a blinded, randomized controlled crossover trial with healthcare providers in an emergency department setting.

The New Gold Standard in Disposable Anti-Fog Solutions*

In ANSI and ASTM lab testing (ANSI Z87.1 & EN166), current anti-fog products fogged in under 8 seconds, while Nexar Advanced took over 120 seconds, providing a 10x improvement in performance for procedures where clear vision is critical.

*Based on testing of 12 disposable eyewear makers.



NEXAR™ ANTI-FOG

Partner with Us to Revolutionize Medical Eyewear

- Elevate Your Product Line with Top-Tier Anti-Fog Solutions
- Expand Globally with Our Supply Network
- Engage Instantly with Our Marketing Tools and Samples
- Consistent Quality with Options to Customize

Unmatched Performance

Explore Nexar's Anti-Fog Solutions in three film grades best suited to your level of performance needs.

Request a Free Sample and Learn More at **Nexar-Antifog.com**

	INDUSTRY AVERAGE*	NEXAR™ ESSENTIAL	NEXAR™ ANTI-FOG	BEST PERFORMANCE NEXAR™ ADVANCED
FOG RESISTANT LEVEL	POOR	GOOD	BETTER	BEST
MEETS ANSI 8 SECONDS	✗	✓	✓	✓
MEETS ASTM 30 SECONDS	✗	✗	✓	✓
EXCEEDS ASTM 60 SECONDS	✗	✗	✗	✓
HAZE: LESS THAN 2%	✗	✗	✓	✓
TRANSMITTANCE: HIGHER THAN 94%	✗	✗	✓	✓
NOT MADE WITH PFAS (FOREVER CHEMICALS)	✗	✓	✓	✓

*Based on competitive testing of 12 anti-fog disposable films.

KRATON CORPORATION

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