



Technical Data Sheet

US Patent 5262475

Vistex® 175 Anti-Fog Coated Film

Reusable Anti-Fog Film for Disposable Face Masks

DESCRIPTION

Vistex 175 Anti-Fog Coated Film is designed to be a multiple use anti-fog film for inexpensive face-masks and visors. Vistex 175 consists of a permanent anti-fog coating cured on a thin polyester base. The polymer coating contains wetting agents that prevent fogging by causing moisture condensation to sheet.

Vistex is a cross-linked hydrophilic polymer composition that causes condensed water droplets to spread evenly. Coating will not saturate and fail under very humid conditions, as will many other anti-fog materials. Highly durable when wet, anti-fog properties are retained even after repeated washing with commercial glass and lens cleaners.

FEATURES

- Permanent Anti-Fog Protection
- Exceptional Optical Clarity
- Extremely Hydrophilic
- Absorbs Moisture, Does not Dissolve in Water
- Will not Discolor with Exposure to Sunlight or Heat

BENEFITS

- Easy to use and highly stable, can be stored at room temperature.

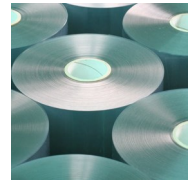


Permanent Anti-Fog Protection



Substrate Materials

Polyester (PET) Film



Product Applications

Inexpensive or Disposable
Safety & Personal Protection
Eyewear, Goggles, Masks, Shields & Visors

Designed for roll-to-roll application, Vistex® 175 Anti-Fog Coated Film delivers best-in-class anti-fog and water sheeting capabilities. Cured coating offers excellent clarity and will not discolor with exposure to sunlight. Delivers enhanced product performance, utility, appearance and exceptional quality.

*Available in 2 mil (50 micron) thickness.

Where scratch resistance is critical, contact FSI Coating Technologies, Inc. for information on Visgard® Coatings.

Physical Characteristics *

Appearance	Crystal Clear and Colorless
Heat Tolerance	Anti-fog Film: -40°F to 350°F (-40°C to 175°C)
Tear Strength	2 mil - 3.2 lbs. (1.4 kg) 4 mil - 8.4 lbs. (3.8 kg) 7 mil - 11.2 lbs. (5.1 kg)
Visible Light Transmission	90%



Vistex 175 Anti-Fog Coated Film

Reusable Anti-Fog Film for Disposable Face Masks

Contact Information

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Care & Handling Instructions

Anti-Fog Coating

The anti-fog treatment is a patented polymer coating that prevents or reduces fogging under all temperature-humidity conditions, even after extended immersion in water or repeated cleanings. Vistex 175 Anti-fog Coated Film is extremely hydrophilic which causes water droplets to spread, rather than form beads which appear as fog. Although it absorbs moisture, the coating does not dissolve in water, or smudge when wet—like many competitor films.

Care Instructions

Vistex 175 Anti-fog Coated Film is not effected by repeated exposure to water, household glass cleaners, or temperature extremes with the limits specified in heat tolerance. Strongly alkaline or industrial strength detergents may adversely affect the anti-fog coating, as may alcohols and other organic solvents.

Storage

Vistex 175 Anti-fog Coated Film should be stored in an environmentally controlled area with relative humidity of less than 60%.

Product Availability & Shipping

Typical lead-time for shipment of Vistex 175 Anti-fog Coated Film is four (4) weeks from confirmation of a purchase order. FSICT provides several shipping options. Please contact an FSICT representative to determine which option best fits your needs. All orders are shipped F.O.B. Additional shipment charges including customs clearance and fees (if applicable) are the responsibility of the customer.

Health & Safety Information

Before using this product, read and understand the SafetyData Sheet, SDS, which provides information on health, physical, and environmental hazards, handling precautions and first aid recommendations. **For a copy of an SDS, contact an FSICT sales or customer service representative.**



Warranty & Limitations on Liability

This document does not constitute any warranty or representation regarding FSICT's product. Please refer to FSI Coating Technologies Standard Terms and Conditions or to your purchase agreement with FSICT for the warranty coverage of FSICT's product.

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