

Mitsubishi Chemical America, Inc.

Product Bulletin

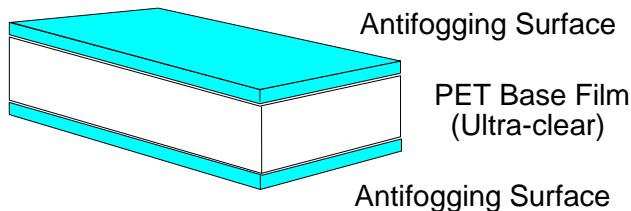
Description

Hostaphan® 4FOG2 is an ultra-clear polyester film that is chemically primed on both sides to eliminate fogging. It combines high strength and durability, optical clarity, and balanced shrinkage.

Performance

Hostaphan® 4FOG2 is designed for markets requiring glass-like clarity and fog elimination. The chemical treatment also provides the slip necessary to handle and wind a smooth film. 4FOG2 is used in medical and dental face shield applications.

Schematic of Hostaphan® 4FOG2



Benefits

- Eliminates fogging
- Excellent color and clarity

Special Warning

Hostaphan® 4FOG2 is an antifog polyester film intended for use in the manufacture of face shields for medical and dental applications. The product provides a physical barrier to non-corrosive fluids (e.g., bodily fluids) as encountered during medical and dental procedures. This film is not intended for use in the manufacture of impact resistant safety eyewear, industrial chemical face shields, or safety goggles. The 4FOG2 product does not provide significant impact resistance, or protection from corrosion and high temperature exposure (e.g., molten metals). Liquid contact with the 4FOG2 primed surfaces may reduce or eliminate the antifogging performance.

Typical Properties of Hostaphan® 4FOG2 Film

The Hostaphan® 4FOG2 property values below are typical measurements. Further guidance on series selection, functional behavior by end use, film processing, standard roll configuration and gauges is available through a Polyester Film Sales Representative. The following values are not binding specifications and may vary.

Property	Unit of Measure		Typical Value	Test Method
Area Yield	in ² •mil/lb m ² •µm/kg		19,800 717	ASTM D 4321
Tensile Strength	MD	psi kg/cm ²	30,000 2,110	ASTM D 882
Yield Strength (F5)	MD	psi kg/cm ²	15,000 1,050	ASTM D 882
Ultimate Elongation	MD	%	150	ASTM D 882
Modulus	MD	psi kg/cm ²	500,000 35,200	ASTM D 882
Coefficient of Friction (A/B)	Kinetic	--	0.40	ASTM D 1894
Shrinkage	MD TD	%	1.0 1.0	30 min. at 150°C
Density	g/cm ³		1.395	ASTM D 1505
Fog Elimination	seconds		Fog Dissipation in < 3 seconds	Momentary contact with ambient pressure steam

* Values for reference data only. Contact a Polyester Film Sales Representative for actual gauges.

Approved RF 6/2025

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