

PRODUCT DESCRIPTION - DATA SHEET

4949D-HC-AF is a both side Anti fogging PC sheet. It's widely used for disposable, protective goggles application. Thanks to its excellent chemical resistance of the coating, our Anti fog PC sheet is resistance to water & > 95% alcohol and is suitable for repeated use.

Properties	Standard	Unit	Typical Value
Physical Properties			
Color / Density	Transparent Clear	± 5 %	1.2
Refraction Rate	JIS- D7105	%	1.49
Optical Properties			
Haze	ASTM - D 1003-61	% (max)	0.3
Light Transmission	ASTM - D 1003-61	% (min)	> 88
Mechanical Properties			
Pencil Hardness	JIS-D5400t		HB
Thermal Properties			
Std. Temperature Resistance	ASTM - D 1525-76	°C	120
Heat Distortion Temperature	ASTM-D 1637	°C	140
Melting Temperature	DSC Scanning	°C	225
Flammability			
Flammability (if using UL resin)	UL94		V2

Anti-Fog Properties	Test Method	Result
AF ability (60 °C/3min)	Put a coin in a beaker with 60°C water and	Clear (above 3 times)
AF ability (-15 °C/3hr)	Put a coated sample in refrigerator (~15°C) for 3 hour. After this, put out substrate and blow one's breath on it.	Clear
AF ability (-20 °C)	Attach the coated substrate in front of full face helmet and breathe in -20°C refrigerator. Observe the clearness and hazy of surface.	Clear
Soak Test	Soaking a coated sample in R.T. water for 3 days and dry a substrate 80°C/1 hr. After this, put out substrate and blow one's breath on it.	Clear

This technical data is not available for legal certification. Only use for reference information of coating agent.

Disclaimer: The information & value are intended for reference only. It does not guarantee the same data result, data safety and application suitability as described, nor is not considered a warranty or quality specification. Customer should carry its own test to determine your own particular use. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process.

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