

PRODUCT DATASHEET

WeeTect Anti Fog Anti Scratch PC Sheet (WAFASPCS)



WeeTect Anti Fog Anti Scratch PC Sheet (WAFASPCS) is optical clear polycarbonate sheet with anti fog coating and anti scratch coating. We could also coat on the surface of anti fog film. It can be applied to safety face shield, anti fog polycarbonate lenses, anti fog ski goggles or anti fog anti scratch safety glasses, scratch resistant polycarbonate lenses, front and side windows of reach truck and forklift truck cabins in cold storage and more.

You can punch or CNC cutting on WeeTect Anti Fog Anti Scratch PC Sheet (WAFASPCS) to any shape which meets ANSI Z87.1-2003, EN166 and boasts the following qualities: fog-free, scratch resistant, optical clarity (class 1), impact resistant. WeeTect Anti Fog Anti Scratch PC Sheet (WAFASPCS) offers superior performance to eye

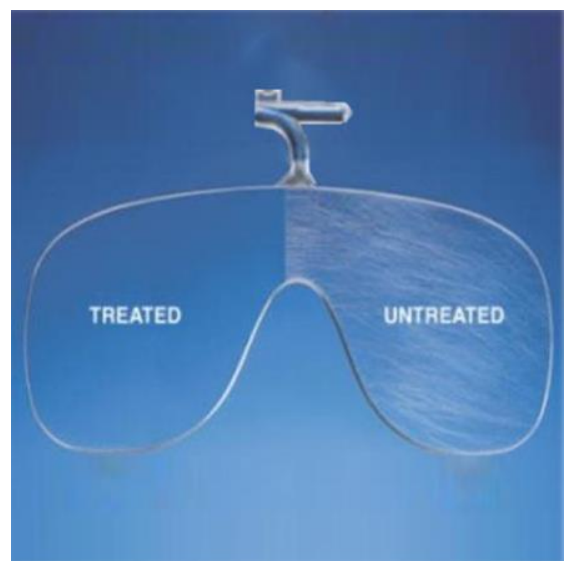
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and face protection. Having a sustainable performance increases the longevity of the product and reduces significant product manufacturing costs, WeeTect Anti Fog Anti Scratch PC Sheet (WAFASPCS) provides great protection against flying debris from cutting, grinding, woodworking, lawn care and hazards from mechanical work, do it yourself projects, hobbies, liquid chemical splash; any task where you need to protect your eyes and face.

Advantages:

- Superior fog and scratch resistant performance
- More visibility
- UV resistant as an option
- More competitive price
- Lower distortion
- Complaint with ANSI Z87.1, EN166 and EN170



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- WeeTect Anti Fog Anti Scratch PC Sheet (WAFASPCS) Standard Size:

Thickness (mm)	Width (mm)	Length (mm)	Remark
0.125	915	400,000	Optical Grade
0.15	915	350,000	Optical Grade
0.25	915	300,000	Optical Grade
0.3	915	300,000	Optical Grade
0.5	915	160,000	Optical Grade
0.5	915	1,830	Optical Grade
0.6	915	1,830	Optical Grade
0.7	915	1,830	Optical Grade
0.8	930	1,830	Optical Grade
1	930	1,830	Optical Grade
1.5	1,220	1,830	Optical Grade
2	1,220	1,830	Optical Grade
3	1,220	1,830	Optical Grade
4	1,220	1,830	Optical Grade
6	1,220	1,830	Clear
8	1,220	1,830	Clear
10	1,220	1,830	Clear
12	1,220	1,830	Clear

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WeeTect Anti Fog Anti Scratch PC Sheet (WAFASPCS) Technical Data

Item	Property	Test Method	U/M	Value
Optical	UV Resistant (380nm)	EN170	%	99.99%
	Diopter	ECE 22.05	D	<0.125
	Haze	ASTM D 1003	%	0.37
	Fog Free time	ECE22.05/ECE324	s	>22
	Fog Free time	Freezing Test	s	no fogging
Mechanical	Hardness 1KG	ANSI Z87.1 2010	H	1
	High velocity impact	ANSI Z87.1 2010	ft/s	>300
	Cross-Cut tape test	ANSI Z87.1 2010	NA	Pass
	Elongation, yield % 7	ANSI Z87.1 2010	%	7
	Elongation, break ISO 527 % 110	ANSI Z87.1 2010	%	110
	Tensile stress, yield	ANSI Z87.1 2010	Mpa	60
	Tensile modulus MPa	ANSI Z87.1 2010	Mpa	2300
	Flexural strength, yield	ANSI Z87.1 2010	Mpa	100
	Flexural modulus ISO 178 MPa 2500	ANSI Z87.1 2010	Mpa	2500
	Izod notched impact, 20 °C	ANSI Z87.1 2010	KJ/m ²	65
Physical	Gravity	ANSI Z87.1 2010	g/cm ³	1.2
	Water absorption, 24 hours	ANSI Z87.1 2010	%	0.15
Thermal	Mold shrinkage	ANSI Z87.1 2010	%	0.5-0.7
	Thermal expansion	ANSI Z87.1 2010	1/ °C	7x10 ⁻⁵
	Vicat Softening Temp., Rate B / 120(base sheet)	ANSI Z87.1 2010	°C	150
	HDT, 0.45 MPa	ANSI Z87.1 2010	°C	138