

PRODUCT DATASHEET

WeeTect Safety Face Shield (WSFS)



WeeTect safety face shield (WSFS) is composed of safety headgear and full face safety visor. It is compliant with ANSI and CE standard. With a series of coating options such as anti fog, anti scratch, UV resistant and colored, WeeTect safety face shield is very popularly used for grinding face shield and chemical face shield.

WeeTect safety face shield (WSFS) is a punched polycarbonate sheet or an injection molding face shield which meets ANSI Z87.1-2003, EN166 and boasts the following qualities: fog-free, scratch resistant, optical clarity (class 1), impact resistant. WeeTect safety face shield (WSFS) offers superior performance to eye and face protection.

Having a sustainable performance increases the longevity of the product and reduces significant product

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manufacturing costs, WeeTect safety face shield (WSFS) 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:

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



- If preferred, WeeTect can deliver anti-fog anti-scratch polycarbonate sheet directly.
- WeeTect Safety Face Shield (WSFS) Standard Size:

Thickness (mm/")	Width (mm)	Length (mm)	Remark
1mm/0.04"	203.2mm/8"	393.7mm/15.5"	Optical Grade

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WeeTect Safety Face Shield (WSFS) Technical Data

Item	Property	Test Method	U/M	Value
Optical	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