

## PRODUCT DATASHEET

# WeeTect Medical Face Shield (WMFS)

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WeeTect medical face shield (WMFS) also names disposable face shields or dental face shield which can be used in following industries: healthcare, factory settings, cosmetology, restaurants, schools, environmental protection agencies and more. With secure fit and improved comfort, it offers excellent fog-free time and optical clarity.

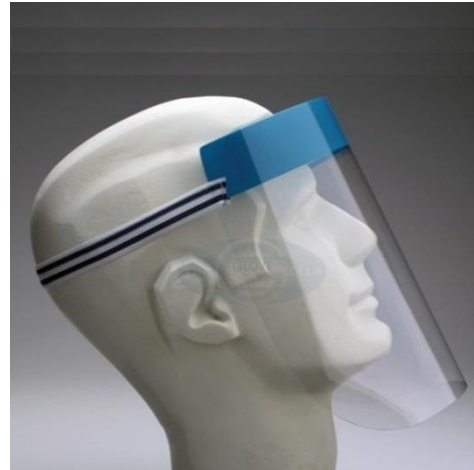
Compared with the normal medical face shield sold elsewhere, WeeTect medical face shield (WMFS) achieves better results with anti-fog and anti-scratch performance. Having a sustainable performance increases the longevity of the product and reduces significant product manufacturing costs; WeeTect medical face shield (WMFS) is offers superior performance and competitive price to surgical mask manufacturers and distributors and

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the companies who engage in this business



- If preferred, WeeTect can provide the Anti-septic Anti-fog Anti-Scratch polycarbonate sheet directly

### Advantages:

- More durable fog resistant coating
- Better optical clarity
- More comfortable fit
- Custom flexible
- More competitive price

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### WeeTect Medical Face Shield (WMFS) Technical Data

Technical Data				
Item	Property	Test Method	U/M	Value
Optical	Haze	ASTM D 1003	%	0.37
	Fog Free time	Hot Water Test	s	>60
	Fog Free time	Freezing Test	s	no fogging
Mechanical	Hardness 1KG	ISO 178	H	1
	High velocity impact	ANSI Z87.1 2010	ft/s	>300
	Cross-Cut tape test	ASTM D 1000	NA	Pass
	Elongation, yield % 7	ISO 527	%	7
	Elongation, break ISO 527 % 110	ISO 527	%	110
	Tensile stress, yield	ISO 527	Mpa	60
	Tensile modulus MPa	ISO 527	Mpa	2300
	Flexural strength, yield	ISO 178	Mpa	100
	Flexural modulus ISO 178 MPa 2500	ISO 178	Mpa	2500
Izod notched impact, 20 °C	ISO 180-1A	KJ/m <sup>2</sup>	65	
Physical	Gravity	ISO 1183	g/cm <sup>3</sup>	1.2
	Water absorption, 24 hours	ISO 62	%	0.15
Thermal	Mold shrinkage	ISO527	%	0.5-0.7
	Thermal expansion	ASTM D696	1/ °C	7x10 <sup>-5</sup>
	Vicat Softening Temp., Rate B / 120(base sheet)	ISO 306	°C	150
	HDT, 0.45 MPa	ISO 75/Be	°C	138