

PRODUCT DATASHEET

WeeTect Sanitary Mask (WSM)



WeeTect sanitary mask (WSM) is made from anti septic and ant fog coated polycarbonate sheet which has outstanding bacteriostatic performance and cost competitiveness to substitute non-woven masks. We are the sole OEM supplier of Mascare sanitary mask who is the leading brand of transparent face mask for restaurant.

WeeTect sanitary mask (WSM) boasts the following qualities: anti-septic, fog-free, scratch resistant, optical clarity, impact resistant, and dimensional stability. Having a sustainable performance increases the longevity of the product and reduces significant product manufacturing costs. WeeTect sanitary mask (WSM) is popularly used in

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supermarkets, restaurants, bakeries and more.



- If preferred, WeeTect can provide anti septic anti fog anti scratch polycarbonate sheet directly

Advantages:

- Superior anti-bacteria performance
- Durable fog resistance
- Better Optical clarify
- More Comfortable fit

WeeTect Sanitary Mask (WSM) Effect

Test Organism(s)	Concentration of Bacteria (cfu/mL)	Volume of Test Inoculum (mL)	The Log Value of The Number (cfu/cm ²) That Bacteria Recovered from the Different Contact Time (/)	At "0h" Contact Time	At "24h" Contact Time	The Value of Antimicrobial Activity
Escherichia Coli ATCC8739	1.1 * 10 ⁶	0.2	Sample	/	1.22	
			Control Sample	4.15	6.31	5.1
Staphylococcus Aureus	5.6 * 10 ⁵	0.2	Sample	/	1.88	
			Control Sample	3.85	5.42	3.5

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WeeTect Sanitary Mask (WSM) 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 ²	65
Physical	Gravity	ISO 1183	g/cm ³	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 ⁻⁵
	Vicat Softening Temp., Rate B / 120(base sheet)	ISO 306	°C	150
	HDT, 0.45 MPa	ISO 75/Be	°C	138