

TECHNICAL INFO



NMPA-GMP NO.: 苏常械备 20200121 号

NMPA- PL NO.: 苏常食药监械生产备 20190045 号

This medical cap is mainly made of PS-BZ-A and PS-BZ-C and XS-A materials. The mouth and forehead are used to absorb sweat and water materials. The hat part is made of PS-BZ-A material, The inner part of the mouth is made of xs-A material, The outer part of the mouth is made of PS-BZ-C. Air permeability of medical cap $>200 \text{ m}^2/\text{s}$, Face waterproof no less than $10\text{cmH}_2\text{O}$, other parts no less than $20\text{cmH}_2\text{O}$.

THE PRODUCT NAME: MEDICAL CAP

item's sketch



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Destination/Use

The material can well protect against liquid spluttering in the process of surgery and provide a two-way protection between doctors and patients. The material has the performance of repeated use and can also greatly reduce the cost of medical waste disposal and environmental protection.

Size chart

SIZE	
HAT BEFORE LONG	49cm
HAT AFTER LONG	51cm
HEAD CIRCUMFERENCE	62cm
SHOULDER BREADTH	60cm



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PS-BZ-A material technical parameters

Style No.	PS-BZ-A	Test Method
Composition	99% Polyester filament yarn+1%Conductive yarn	ASTM-D-629
Weave	Plain,Stripe 8.5mm	
Weight	140g/m ² ±5%	JIS L 1096-6.4.2
Width	160cm ±1%	
Density	Warp:165 ends/inch Weft:89ends/inch	
Pantone Color	18-5322	
Color Fastness	4-level	
Shrinkage	± 3	
Surface Resistivity	10 ¹⁰ (42%R.H.,21℃) ohm/square	DIN 54345-B
Friction Charges	Warp:955V Weft:478V	JIS L 1094-B
Decay Time	Warp:10.5sec Weft:8.3sec	NFPA-99

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PS-BZ-A material test report

Test Description of EN13795	Unit	Requirement standard Performance	Test Method	PS-BZ-A Result	standard performance requirement fulfilled
		Critical Area			
Resistance to microbial penetration-Dry	Log ₁₀ (CFU)	Not required	EN ISO 22612:2005	0.74	Yes
Resistance to microbial penetration-Wet	I ₈	≥ 2.8 ^b	ENISO 22610:2006	3.63	Yes
Cleanliness-Microbial	Log ₁₀ (CFU/dm ²)	≤ 2 ^c	ISO 11737-1:2006	1.31	Yes
Cleanliness-Particulate matter	IPM	≤ 3.5	EN ISO 9073-10:2003	2.6	Yes
Linting	Log ₁₀	≤ 4.0	EN ISO 9073-10:2003	2.37	Yes
Resistance to liquid penetration	cmH ₂ O	≥ 20	EN 20811:1992	73.2	Yes
Bursting strength-Dry	kPa	≥ 40	EN ISO 13938-1:2000	1752	Yes
Bursting strength-Wet	kPa	≥ 40	EN ISO 13938-1:2000	1929	Yes
Tensile strength-Dry	N	≥ 20	EN ISO 9073-3:1989	Warp:1038 Weft:975.4	Yes
Tensile strength-Wet	N	≥ 20	EN ISO 9073-3:1989	Warp:1039 Weft:953.1	Yes

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PS-BZ-C material technical parameters

Style No.	PS-BZ-C	Test Method
Composition	99.5% Polyester filament yarn+0.5%Conductive yarn	ASTM-D-629
Weave	Plain,Stripe 8mm	
Weight	69g/m ² ±5%	JIS L 1096-6.4.2
Width	150cm ±1%	
Density	Warp:109 ends/inch Weft:89ends/inch	
Pantone Color	17-5734	
Color Fastness	4-level	
Shrinkage	± 3	
Surface Resistivity	10 ⁸⁻⁹ (42%R.H.,21℃) ohm/square	DIN 54345-B
Friction Charges	Warp:587V Weft:461V	JIS L 1094-B
Decay Time	Warp:± 9 sec Weft:± 8.13 sec	NFPA-99
Air Permeability	1.45 c.c/cm ² /sec	JISL 1096-A-1990
Water Repellency	Washing: 0 Times:100 100Times: 90	AATCC-22-1989 AATCC 61-1996
Oil Repellent	Washing: 0 Times:Level 4 100Times:Leve 3	AATCC118-1992 AATCC 61-1996
Water Resistance	Washing: 0 Times:150 mm/H ₂ O 75Times: 250 mm/H ₂ O	JIS L 1092-5.1-A-1986

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PS-BZ-C material test report

Test Description of EN13795	Unit	Requirement standard Performance	Test Method	PS-BZ-C Result	standard performance requirement fulfilled
		Critical Area			
Resistance to microbial penetration-Dry	Log ₁₀ (CFU)	Not required	EN ISO 22612:2005	1.52	Yes
Resistance to microbial penetration-Wet	I_B	$\geq 2.8^b$	EN ISO 22610:2006	5.89	Yes
Cleanliness-Microbial	Log ₁₀ (CFU/dm ²)	$\leq 2^c$	ISO 11737-1:2006	1.33	Yes
Cleanliness-Particulate matter	IPM	≤ 3.5	EN ISO 9073-10:2003	1.72	Yes
Linting	Log ₁₀	≤ 4.0	EN ISO 9073-10:2003	2.41	Yes
Resistance to liquid penetration	cmH ₂ O	≥ 20	EN 20811:1992	53.5	Yes
Bursting strength-Dry	kPa	≥ 40	EN ISO 13938-1:2000	1627	Yes
Bursting strength-Wet	kPa	≥ 40	EN ISO 13938-1:2000	1740	Yes
Tensile strength-Dry	N	≥ 20	EN ISO 9073-3:1989	Warp:922 Weft:873.4	Yes
Tensile strength-Wet	N	≥ 20	EN ISO 9073-3:1989	Warp:1019 Weft:973.5	Yes

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PS-BZ-C material technical parameters

Style No.	XS-A	Test Method
Composition	100% Polyester filament yarn	ASTM-D-629
Weave	Knit	
Weight	265 g/m ² ± 5%	JIS L 1096-6.4.2
Width	160cm ± 2%	
Pantone Color	18-5624、Bleach	
Color Fastness	4-level	
Shrinkage	± 5	
Water Absorption	781 g/m ²	IES-RP-CC004.2
Water Resistance	5000 rad	ASTM D 4966-2010

PS-BZ-C material test report

Test Description of EN13795	Unit	Requirement standard Performance	Test Method	XS-A Result	standard performance requirement fulfilled
		Critical Area			
Resistance to microbial penetration-Dry	Log ₁₀ (CFU)	Not required	EN ISO 22612:2005	0.93	Yes
Cleanliness-Microbial	Log ₁₀ (CFU/dm ²)	≤ 2 ^c	ISO 11737-1:2006	1.27	Yes
Cleanliness-Particulate matter	IPM	≤ 3.5	EN ISO 9073-10:2003	1.95	Yes
Linting	Log ₁₀	≤ 4.0	EN ISO 9073-10:2003	2.78	Yes
Bursting strength-Dry	kPa	≥ 40	EN ISO 13938-1:2000	1798	Yes
Tensile strength-Dry	N	≥ 20	EN ISO 9073-3:1989	Warp:1233 Weft:892	Yes

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