BE-SAFE® 卫护

BE-SAFE MEDICAL TEXTILE

Jiangsu BE-SAFE Medical Technology Co Ltd

Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China
Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

Jiangsu BE-SAFE Medical Technology Co Ltd
Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China
Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

3-Layer Laminat Micro-porous Technology

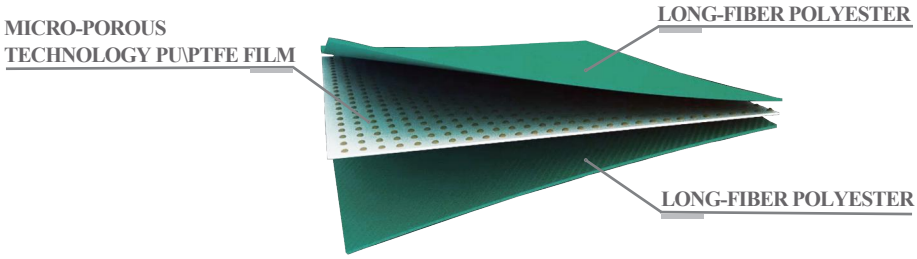
PROTECTION BREATHABLE DURANILITY NON - LINT

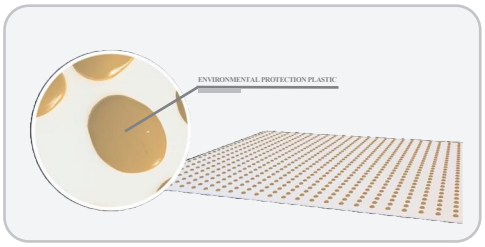
Introduce:

3-layer lamination fabric with super waterproof , prevent penetration of the virus , alcohol and other chemical solvents. The middle membrane is made of microporous echnology , which has the advantages of air permeability and moisture permeability to improve the wearing comfort.

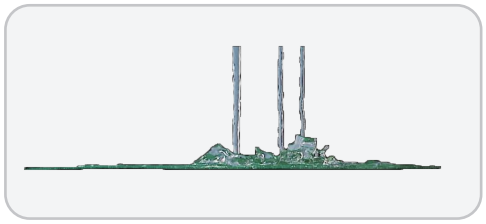
Provide a superb combination of protection , comfort , durability , and economics . The unique surgical barrier fabric is comprised of a proprietary membrane laminated between two layers of polyester material to deliver a high level of protection and breathability.

Medical 3-layer tape:

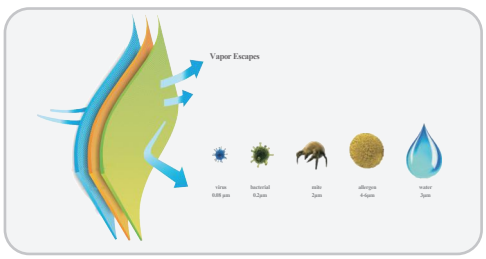




MICRO-POROUS TECHNOLOGY PU\PTFE FILM



WATERPROOF AND STRONG



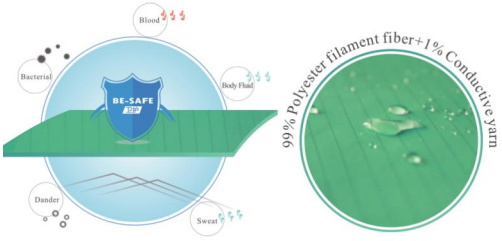
ANTI MICROBIAL

Jiangsu BE-SAFE Medical Technology Co Ltd
Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China
Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

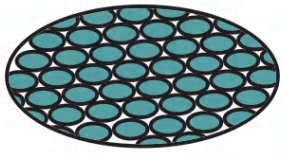
Polyester

Introduce:

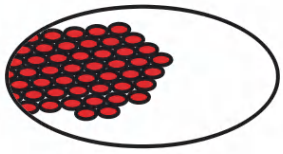
Woven fabric designed specifically for medical use. It complies with EN 13795 standard and AAMI PB-70 which embraces the functions of keeping environment clean and lower the risk of cross infection in operating rooms.



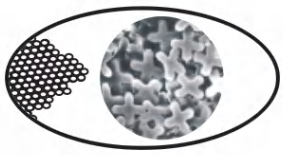
Comparison of polyester filament fiber and other fiber materials



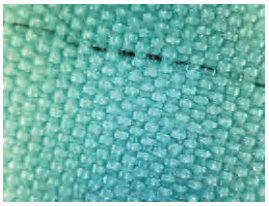
Normal Polyester 32 filament



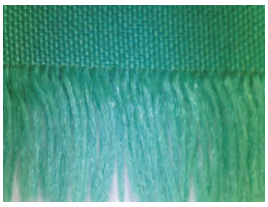
Multi Polyester 50 filament



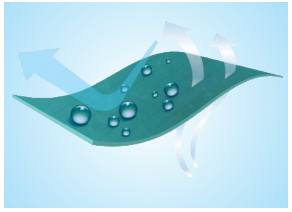
Micro Polyester 192 filament



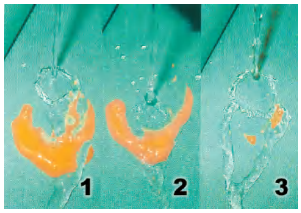
Polyester filament fiber containing carbon fiber



Actual effect diagram of fiber



Water repellent, anti bacteria breathable effect diagram



Waterproof, anti fouling effect diagram

Single fiber effect diagram

functional textile solutions

Jiangsu BE-SAFE Medical Technology Co Ltd

Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China

Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

BE-SAFE® 卫护

FH - PTFE

technical details

Style No.	FH-PTFE	Test Method
Composition	85% Polyester filament yarn + 15% PTFE membrane	ASTM-D-629
Weave	Knit	
Weight	300 g/m² ± 5%	JIS L 1096-6.4.2
Width	150 cm ± 2%	
Pantone Color	16-5515	
Color Fastness	4-level	
Shrinkage	± 5	

Test Description of EN 13795	Unit	Requirement Standard Performance Critical Area	Test Method	FH-PTFE Result	Standard Performance Requirement Fulfilled
Resistance to microbial penetration-Dry	Log_{10} (CFU)	Not required	EN ISO 22612:2005	0.0	Yes
Resistance to microbial penetration-Wet	I_B	⩾ 2.8[b]	EN ISO 22610:2006	6.0	Yes
Cleanliness-Microbial	Log_{10} (CFU/dm³)	⩽ 2[c]	IS0 11737-1:2006	＜2	Yes
Cleanliness-Particulate matter	IPM	⩽ 3.5	EN ISO 9073-10:2003	2.91	Yes
Linting	Log_{10}	⩽ 4.0	EN ISO 9073-10:2003	2.91	Yes
Resistance to liquid penetration	cm H_2O	⩾ 20	EN 20811:1992	1180	Yes
Bursting strength-Dry	kPa	⩾ 40	EN ISO 13938-1:2000	1117	Yes
Bursting strength-Wet	kPa	⩾ 40	EN ISO 13938-1:2000	1269	Yes
Tensile strength-Dry	N	⩾ 20	EN ISO 9073-3:1989	Warp: 422.9 Weft: 481.1	Yes
Tensile strength-Wet	N	⩾ 20	EN ISO 9073-3:1989	Warp: 385.7 Weft: 479.6	Yes

a. Test conditions: challenge concentration 10^8CFU/g talc. and 30 min vibration time.
b. The Least Significant Difference (LSD) for I_B when estimated using EN ISO 22610, was found to be 0.98 at the 95% confidence level. This is the minimum difference needed to distinguish between two materials thought to be different. Thus materials varying by up to 0.98 I_B are probably not different; materials varying by more than 0.98 I_B probably are different. (The 95% confidence levelsmeans that an observer would be correct 19 tomes out of 20 to accept these alternatives).
c. For the purpose of this standard, log_{10}(CFU)⩽2 means maximum 300CFU.
d. I_B=6.0 for the purpose of this standard means: no penetration. I_B=6.0 is the maximum achievable value.

- **Washability up to 70 ℃**
- **Vapour sterilisation up to 134 ℃**
- **Biocompatibility acc.to GB/T 16886**
- **Irritationg acc.to GB/T 16886.10-2017**
- **Skin sensitization acc.to GB/T 16886.10-2017**
- **Cytotoxicity acc.to GB/T 16886.5-2017**
- **STANDARD 100 by OEKO-TEX**
- **YY/T 0506 -surgical gowns and drapes**
- **High liquid absorption**
- **Optimal protection and long lifecycle = > High Performance PLUS!**

functional textile solutions

Jiangsu BE-SAFE Medical Technology Co Ltd
Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China
Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

BE-SAFE® 卫护

FH-PU

technical details

Style No.	FH-PU	Test Method
Composition	85% Polyester filament yarn + 15% PU membrane	ASTM-D-629
Weave	Knit	
Weight	246 g/m² ± 5%	JIS L 1096-6.4.2
Width	145 cm ± 2%	
Pantone Color	Bleach、17-5110	
Color Fastness	4-level	
Shrinkage	± 7	

Test Description of EN 13795	Unit	Requirement Standard Performance Critical Area	Test Method	FH-PU Result	Standard Performance Requirement Fulfilled
Resistance to microbial penetration-Dry	Log_{10} (CFU)	Not required	EN ISO 22612:2005	0.23	Yes
Resistance to microbial penetration-Wet	I_B	⩾ 2.8[b]	EN ISO 22610:2006	5.81	Yes
Cleanliness-Microbial	Log_{10} (CFU/dm²)	⩽ 2[c]	IS0 11737-1:2006	1.67	Yes
Cleanliness-Particulate matter	IPM	⩽ 3.5	EN ISO 9073-10:2003	2.87	Yes
Linting	Log_{10}	⩽ 4.0	EN ISO 9073-10:2003	2.66	Yes
Resistance to liquid penetration	cm H_2O	⩾ 20	EN 20811:1992	1173	Yes
Bursting strength-Dry	kPa	⩾ 40	EN ISO 13938-1:2000	1217	Yes
Bursting strength-Wet	kPa	⩾ 40	EN ISO 13938-1:2000	1349	Yes
Tensile strength-Dry	N	⩾ 20	EN ISO 9073-3:1989	Warp: 462.9 Weft: 491.8	Yes
Tensile strength-Wet	N	⩾ 20	EN ISO 9073-3:1989	Warp: 318.7 Weft: 472.6	Yes

a. Test conditions: challenge concentration 10^8CFU/g talc. and 30 min vibration time.
b. The Least Significant Difference (LSD) for I_B when estimated using EN ISO 22610, was found to be 0.98 at the 95% confidence level. This is the minimum difference needed to distinguish between two materials thought to be different. Thus materials varying by up to 0.98 I_B are probably not different; materials varying by more than 0.98 I_B probably are different. (The 95% confidence levelsmeans that an observer would be correct 19 tomes out of 20 to accept these alternatives).
c. For the purpose of this standard, log_{10}(CFU)⩽2 means maximum 300CFU.
d. I_B=6.0 for the purpose of this standard means: no penetration. I_B=6.0 is the maximum achievable value.

- Washability up to 70 ℃
- Vapour sterilisation up to 134 ℃
- Biocompatibility acc.to GB/T 16886
- Irritationg acc.to GB/T 16886.10-2017
- Skin sensitization acc.to GB/T 16886.10-2017
- Cytotoxicity acc.to GB/T 16886.5-2017
- STANDARD 100 by OEKO-TEX
- YY/T 0506 -surgical gowns and drapes
- High liquid absorption
- Optimal protection and long lifecycle => High Performance PLUS!

functional textile solutions

Jiangsu BE-SAFE Medical Technology Co Ltd

Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China

Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

BE-SAFE® 卫护

PS-BZ-A

technical details

Style No.	PS-BZ-A	Test Method
Composition	99% Polyester filament yarn + 1% Conductive yarn	ASTM-D-629
Weave	Plain, Stripe 8.5mm	
Weight	125 g/m² ± 5%	JIS L 1096-6.4.2
Width	160 cm ± 1%	
Density	Warp: 165 ends/inch Weft: 89 ends/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

Test Description of EN 13795	Unit	Requirement Standard Performance Critical Area	Test Method	PS-BZ-A Result	Standard Performance Requirement Fulfilled
Resistance to microbial penetration-Dry	Log_{10} (CFU)	Not required	EN ISO 22612:2005	0.74	Yes
Resistance to microbial penetration-Wet	I_B	⩾ 2.8[b]	EN ISO 22610:2006	3.63	Yes
Cleanliness-Microbial	Log_{10} (CFU/dm²)	⩽ 2[c]	IS0 11737-1:2006	1.31	Yes
Cleanliness-Particulate matter	IPM	⩽ 3.5	EN ISO 9073-10:2003	2.60	Yes
Linting	Log_{10}	⩽ 4.0	EN ISO 9073-10:2003	2.37	Yes
Resistance to liquid penetration	cm H_2O	⩾ 20	EN 20811:1992	46.6	Yes
Bursting strength-Dry	kPa	⩾ 40	EN ISO 13938-1:2000	428	Yes
Bursting strength-Wet	kPa	⩾ 40	EN ISO 13938-1:2000	442	Yes
Tensile strength-Dry	N	⩾ 20	EN ISO 9073-3:1989	Warp: 556 Weft: 332	Yes
Tensile strength-Wet	N	⩾ 20	EN ISO 9073-3:1989	Warp: 612 Weft: 365	Yes

a. Test conditions: challenge concentration 10^8CFU/g talc. and 30 min vibration time.
b. The Least Significant Difference (LSD) for I_B when estimated using EN ISO 22610, was found to be 0.98 at the 95% confidence level. This is the minimum difference needed to distinguish between two materials thought to be different. Thus materials varying by up to 0.98 I_B are probably not different; materials varying by more than 0.98 I_B probably are different. (The 95% confidence levelsmeans that an observer would be correct 19 tomes out of 20 to accept these alternatives).
c. For the purpose of this standard, log_{10}(CFU)⩽2 means maximum 300CFU.
d. I_B=6.0 for the purpose of this standard means: no penetration. I_B=6.0 is the maximum achievable value.

- **Washability up to 70 ℃**
- **Vapour sterilisation up to 134 ℃**
- **Biocompatibility acc.to GB/T 16886**
- **Irritationg acc.to GB/T 16886.10-2017**
- **Skin sensitization acc.to GB/T 16886.10-2017**
- **Cytotoxicity acc.to GB/T 16886.5-2017**
- **STANDARD 100 by OEKO-TEX**
- **YY/T 0506 -surgical gowns and drapes**
- **High liquid absorption**
- **Optimal protection and long lifecycle = > High Performance PLUS!**

TÜV SÜD EN ISO 13485 tuv-sud.com/ps-cert

TÜV SÜD ISO 9001

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100

Hohenstein Laboratories Schloss Hohenstein

functional textile solutions

Jiangsu BE-SAFE Medical Technology Co Ltd

Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China

Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

BE-SAFE® 卫护

PS-BZ-B

technical details

Style No.	PS-BZ-B	Test Method
Composition	100% Polyester filament yarn	ASTM-D-629
Weave	Jacquard	
Weight	289 g/m² ± 5%	JIS L 1096-6.4.2
Width	150 cm ± 1%	
Density	Warp: 135 ends/inch Weft: 70 ends/inch	
Pantone Color	18-5624	
Color Fastness	4-level	
Shrinkage	± 3	
Air Permeability	9.52c.c/cm²/sec	JIS L 1096-A-1990
Tensile Strength	Warp: 86kg Weft: 100kg	JIS L 1096-6.12.1-A
Tear Strength	Warp:6467g Weft: 6688g	JIS L 1096-6.15.5-D

Test Description of EN 13795	Unit	Requirement Standard Performance Critical Area	Test Method	PS-BZ-B Result	Standard Performance Requirement Fulfilled
Resistance to microbial penetration-Dry	Log_{10} (CFU)	Not required	EN ISO 22612:2005	1.47	Yes
Resistance to microbial penetration-Wet	I_B	⩾ 2.8[b]	EN ISO 22610:2006	3.15	Yes
Cleanliness-Microbial	Log_{10} (CFU/dm²)	⩽ 2[c]	IS0 11737-1:2006	1.68	Yes
Cleanliness-Particulate matter	IPM	⩽ 3.5	EN ISO 9073-10:2003	2.21	Yes
Linting	Log_{10}	⩽ 4.0	EN ISO 9073-10:2003	2.36	Yes
Resistance to liquid penetration	cm H_2O	⩾ 20	EN 20811:1992	52.3	Yes
Bursting strength-Dry	kPa	⩾ 40	EN ISO 13938-1:2000	1837	Yes
Bursting strength-Wet	kPa	⩾ 40	EN ISO 13938-1:2000	1829	Yes
Tensile strength-Dry	N	⩾ 20	EN ISO 9073-3:1989	Warp: 1138 Weft: 965.4	Yes
Tensile strength-Wet	N	⩾ 20	EN ISO 9073-3:1989	Warp: 1059 Weft: 943.1	Yes

a. Test conditions: challenge concentration 10^8CFU/g talc. and 30 min vibration time.
b. The Least Significant Difference (LSD) for I_B when estimated using EN ISO 22610, was found to be 0.98 at the 95% confidence level. This is the minimum difference needed to distinguish between two materials thought to be different. Thus materials varying by up to 0.98 I_B are probably not different; materials varying by more than 0.98 I_B probably are different. (The 95% confidence levelsmeans that an observer would be correct 19 tomes out of 20 to accept these alternatives).
c. For the purpose of this standard, log_{10}(CFU)⩽2 means maximum 300CFU.
d. I_B=6.0 for the purpose of this standard means: no penetration. I_B=6.0 is the maximum achievable value.

- **Washability up to 70 ℃**
- **Vapour sterilisation up to 134 ℃**
- **Biocompatibility acc.to GB/T 16886**
- **Irritationg acc.to GB/T 16886.10-2017**
- **Skin sensitization acc.to GB/T 16886.10-2017**
- **Cytotoxicity acc.to GB/T 16886.5-2017**
- **STANDARD 100 by OEKO-TEX**
- **YY/T 0506 -surgical gowns and drapes**
- **High liquid absorption**
- **Optimal protection and long lifecycle = > High Performance PLUS!**

functional textile solutions

Jiangsu BE-SAFE Medical Technology Co Ltd

Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China

Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

BE-SAFE® 卫护

PS-BZ-C

technical details

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	69 g/m² ± 5%	JIS L 1096-6.4.2
Width	150 cm ± 1%	
Density	Warp: 109 ends/inch Weft: 89 ends/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:587 V Weft: 461V	JIS L 1094-B
Decay Time	Warp: ± 0.09 sec Weft: ± 8.13 sec	NFPA-99
Air Permeability	1.45 c.c/cm²/sec	JISL 1096-A-1990
Water Repellency	Washing : 0 Times: 100 100 Times: 90	AATCC-22-1989 AATCC 61-1996
Oil Repellent	Washing : 0 Times: Level 4 100 Times: Level 3	AATCC 118-1992 AATCC 61-1996
Water Resistance	Washing : 0 Times: 150 mm/H_2O 75 Times: 250 mm/H_2O	JIS L 1092-5.1-A-1986

Test Description of EN 13795	Unit	Requirement Standard Performance Critical Area	Test Method	PS-BZ-C Result	Standard Performance Requirement Fulfilled
Resistance to microbial penetration-Dry	Log_{10} (CFU)	Not required	EN ISO 22612:2005	1.52	Yes
Resistance to microbial penetration-Wet	I_B	⩾ 2.8[b]	EN ISO 22610:2006	5.89	Yes
Cleanliness-Microbial	Log_{10} (CFU/dm²)	⩽ 2[c]	IS0 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	cm H_2O	⩾ 10	EN 20811:1992	12.0	Yes
Bursting strength-Dry	kPa	⩾ 40	EN ISO 13938-1:2000	479	Yes
Bursting strength-Wet	kPa	⩾ 40	EN ISO 13938-1:2000	518	Yes
Tensile strength-Dry	N	⩾ 20	EN ISO 9073-3:1989	Warp: 431 Weft: 620	Yes
Tensile strength-Wet	N	⩾ 20	EN ISO 9073-3:1989	Warp: 474 Weft: 682	Yes

a. Test conditions: challenge concentration 10^8CFU/g talc. and 30 min vibration time.
b. The Least Significant Difference (LSD) for I_B when estimated using EN ISO 22610, was found to be 0.98 at the 95% confidence level. This is the minimum difference needed to distinguish between two materials thought to be different. Thus materials varying by up to 0.98 I_B are probably not different; materials varying by more than 0.98 I_B probably are different. (The 95% confidence levelsmeans that an observer would be correct 19 tomes out of 20 to accept these alternatives).
c. For the purpose of this standard, log_{10}(CFU)⩽2 means maximum 300CFU.
d. I_B=6.0 for the purpose of this standard means: no penetration. I_B=6.0 is the maximum achievable value.

- **Washability up to 70 ℃**
- **Vapour sterilisation up to 134 ℃**
- **Biocompatibility acc.to GB/T 16886**
- **Irritationg acc.to GB/T 16886.10-2017**
- **Skin sensitization acc.to GB/T 16886.10-2017**
- **Cytotoxicity acc.to GB/T 16886.5-2017**
- **STANDARD 100 by OEKO-TEX**
- **YY/T 0506 -surgical gowns and drapes**
- **High liquid absorption**
- **Optimal protection and long lifecycle = > High Performance PLUS!**

TÜV SÜD EN ISO 13485 tuv-sud.com/ps-cert

TÜV SÜD ISO 9001

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100

Hohenstein Laboratories Schloss Hohenstein

functional textile solutions

Jiangsu BE-SAFE Medical Technology Co Ltd

Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China

Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

BE-SAFE® 卫护

PS-JQ-A

technical details

Style No.	PS-JQ-A	Test Method
Composition	99% Polyester filament yarn + 1% Conductive yarn	ASTM-D-629
Weave	Twill, Stripe 5mm	
Weight	142 g/m² ± 5%	JIS L 1096-6.4.2
Width	160 cm ± 1%	
Density	Warp: 198 ends/inch Weft: 99 ends/inch	
Pantone Color	18-6114	
Color Fastness	4-level	
Shrinkage	± 5	
Surface Resistivity	10^{10} (42%R.H.,21℃) ohm/square	DIN 54345-B
Friction Charges	Warp: 242V Weft: 429V	JIS L 1094-B
Decay Time	± 0.01(42%R.H.,21℃) sec	NFPA-99

Test Description of EN 13795	Unit	Requirement Standard Performance Critical Area	Test Method	PS-JQ-A Result	Standard Performance Requirement Fulfilled
Resistance to microbial penetration-Dry	Log_{10} (CFU)	Not required	EN ISO 22612:2005	0.72	Yes
Resistance to microbial penetration-Wet	I_B	⩾ 2.8[b]	EN ISO 22610:2006	2.93	Yes
Cleanliness-Microbial	Log_{10} (CFU/dm²)	⩽ 2[c]	IS0 11737-1:2006	0.95	Yes
Cleanliness-Particulate matter	IPM	⩽ 3.5	EN ISO 9073-10:2003	2.70	Yes
Linting	Log_{10}	⩽ 4.0	EN ISO 9073-10:2003	1.51	Yes
Resistance to liquid penetration	cm H_2O	⩾ 20	EN 20811:1992	90.54	Yes
Bursting strength-Dry	kPa	⩾ 40	EN ISO 13938-1:2000	1579	Yes
Bursting strength-Wet	kPa	⩾ 40	EN ISO 13938-1:2000	2177	Yes
Tensile strength-Dry	N	⩾ 20	EN ISO 9073-3:1989	Warp: 1610 Weft: 808.6	Yes
Tensile strength-Wet	N	⩾ 20	EN ISO 9073-3:1989	Warp: 1627 Weft: 801.6	Yes

a. Test conditions: challenge concentration 10^8CFU/g talc. and 30 min vibration time.
b. The Least Significant Difference (LSD) for I_B when estimated using EN ISO 22610, was found to be 0.98 at the 95% confidence level. This is the minimum difference needed to distinguish between two materials thought to be different. Thus materials varying by up to 0.98 I_B are probably not different; materials varying by more than 0.98 I_B probably are different. (The 95% confidence levelsmeans that an observer would be correct 19 tomes out of 20 to accept these alternatives).
c. For the purpose of this standard, log_{10}(CFU)⩽2 means maximum 300CFU.
d. I_B=6.0 for the purpose of this standard means: no penetration. I_B=6.0 is the maximum achievable value.

- Washability up to 70 ℃
- Vapour sterilisation up to 134 ℃
- Biocompatibility acc.to GB/T 16886
- Irritationg acc.to GB/T 16886.10-2017
- Skin sensitization acc.to GB/T 16886.10-2017
- Cytotoxicity acc.to GB/T 16886.5-2017
- STANDARD 100 by OEKO-TEX
- YY/T 0506 -surgical gowns and drapes
- High liquid absorption
- Optimal protection and long lifecycle = > High Performance PLUS!

functional textile solutions

Jiangsu BE-SAFE Medical Technology Co Ltd

Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China

Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

BE-SAFE® 卫护

GF-R

technical details

Style No.	GF-R	Test Method
Composition	60% Polyester filament yarn + 39% Artificial cotton + 1% Conductive yarn	ASTM-D-629
Weave	Twill	
Weight	147 g/m² ± 5%	JIS L 1096-6.4.2
Width	160 cm ± 1%	
Density	Warp: 156 ends/inch Weft: 80 ends/inch	
Pantone Color	17-4027 19-1726	
Color Fastness	4-level	
Shrinkage	± 3	
Surface Resistivity	10^{10} (42%R.H.,21℃) ohm/square	DIN 54345-B
Friction Charges	Warp: 1467V Weft: 1248V	JIS L 1094-B
Decay Time	Warp: 1.19sec Weft: 0.23 sec	NFPA-99

Test Description of EN 13795	Unit	Requirement Standard Performance / Critical Area	Test Method	GF-R Result	Standard Performance Requirement Fulfilled
Resistance to microbial penetration-Dry	Log_{10} (CFU)	Not required	EN ISO 22612:2005	0.0	Yes
Cleanliness-Microbial	Log_{10} (CFU/dm²)	⩽ 2^c	IS0 11737-1:2006	＜2	Yes
Cleanliness-Particulate matter	IPM	⩽ 3.5	EN ISO 9073-10:2003	3.20	Yes
Linting	Log_{10}	⩽ 4.0	EN ISO 9073-10:2003	3.37	Yes
Bursting strength-Dry	kPa	⩾ 40	EN ISO 13938-1:2000	1193	Yes
Tensile strength-Dry	N	⩾ 20	EN ISO 9073-3:1989	Warp: 804.4 Weft: 556.3	Yes

a. Test conditions: challenge concentration 10^8CFU/g talc. and 30 min vibration time.

b. Performance requirements apply for all products areas of clean air suits, as clean air suits should be used in addition to surgical gowns and not as a substitute.

c. For the purpose of this standard, log_{10}(CFU)⩽2 means maximum 300CFU.

- **Washability up to 70 ℃**
- **Vapour sterilisation up to 134 ℃**
- **Biocompatibility acc.to GB/T 16886**
- **Irritationg acc.to GB/T 16886.10-2017**
- **Skin sensitization acc.to GB/T 16886.10-2017**
- **Cytotoxicity acc.to GB/T 16886.5-2017**
- **STANDARD 100 by OEKO-TEX**
- **High liquid absorption**
- **Optimal protection and long lifecycle => High Performance PLUS!**

TÜV SÜD EN ISO 13485 tuv-sud.com/ps-cert

TÜV SÜD ISO 9001

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100

Hohenstein Laboratories Schloss Hohenstein

functional textile solutions

Jiangsu BE-SAFE Medical Technology Co Ltd

Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China

Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

BE-SAFE® 卫护

GF-W

technical details

Style No.	GF-W	Test Method
Composition	99.5% Polyester filament yarn + 0.5% Conductive yarn	ASTM-D-629
Weave	Plain	
Weight	208 g/m² ± 5%	JIS L 1096-6.4.2
Width	170 cm ± 1%	
Density	Warp: 132 ends/inch Weft: 80 ends/inch	
Pantone Color	Bleach、18-4244 12-1605 14-4102	
Color Fastness	4-level	
Shrinkage	± 3	
Surface Resistivity	10^{10} (42%R.H.,21℃) ohm/square	DIN 54345-B
Friction Charges	Warp: 1428V Weft: 1257V	JIS L 1094-B
Decay Time	Warp: 1.18sec Weft: 0.32 sec	NFPA-99

Test Description of EN 13795	Unit	Requirement Standard Performance / Critical Area	Test Method	GF-W Result	Standard Performance Requirement Fulfilled
Resistance to microbial penetration-Dry	Log_{10} (CFU)	Not required	EN ISO 22612:2005	0.80	Yes
Cleanliness-Microbial	Log_{10} (CFU/dm²)	≤ 2[c]	IS0 11737-1:2006	0.44	Yes
Cleanliness-Particulate matter	IPM	≤ 3.5	EN ISO 9073-10:2003	1.93	Yes
Linting	Log_{10}	≤ 4.0	EN ISO 9073-10:2003	2.26	Yes
Bursting strength-Dry	kPa	≥ 40	EN ISO 13938-1:2000	1820	Yes
Tensile strength-Dry	N	≥ 20	EN ISO 9073-3:1989	Warp: 1365 Weft: 887	Yes

a. Test conditions: challenge concentration 10^8CFU/g talc. and 30 min vibration time.
b. Performance requirements apply for all products areas of clean air suits, as clean air suits should be used in addition to surgical gowns and not as a substitute.
c. For the purpose of this standard, log_{10}(CFU)≤2 means maximum 300CFU.

- **Washability up to 70 ℃**
- **Vapour sterilisation up to 134 ℃**
- **Biocompatibility acc.to GB/T 16886**
- **Irritationg acc.to GB/T 16886.10-2017**
- **Skin sensitization acc.to GB/T 16886.10-2017**
- **Cytotoxicity acc.to GB/T 16886.5-2017**
- **STANDARD 100 by OEKO-TEX**
- **High liquid absorption**
- **Optimal protection and long lifecycle => High Performance PLUS!**

TÜV SÜD EN ISO 13485 tuv-sud.com/ps-cert

TÜV SÜD ISO 9001

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100

Hohenstein Laboratories Schloss Hohenstein

functional textile solutions

Jiangsu BE-SAFE Medical Technology Co Ltd

Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China

Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

BE-SAFE® 卫护

XS-A

technical details

Style No.	XS-A	Test Method
Composition	100% Polyester filament yarn	ASTM-D-629
Weave	Knit	
Weight	265 g/m² ± 5%	JIS L 1096-6.4.2
Width	160 cm ± 2%	
Pantone Color	18-5624、Bleach	
Color Fastness	4-level	
Shrinkage	± 5	
Water Absorption	781 g/m²	IES-RP-CC004.2
Wear Resistance	5000 rad	ASTM D 4966-2010

Test Description of EN 13795	Unit	Requirement Standard Performance / Critical Area	Test Method	XS-A Result	Standard Performance Requirement Fulfilled
Resistance to microbial penetration-Dry	Log_{10} (CFU)	Not required	EN ISO 22612:2005	0.93	Yes
Cleanliness-Microbial	Log_{10} (CFU/dm²)	⩽ 2[c]	IS0 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

a. Test conditions: challenge concentration 10^8CFU/g talc. and 30 min vibration time.

b. Performance requirements apply for all products areas of clean air suits, as clean air suits should be used in addition to surgical gowns and not as a substitute.

c. For the purpose of this standard, log_{10}(CFU)⩽2 means maximum 300CFU.

- **Washability up to 70 ℃**
- **Vapour sterilisation up to 134 ℃**
- **Biocompatibility acc.to GB/T 16886**
- **Irritationg acc.to GB/T 16886.10-2017**
- **Skin sensitization acc.to GB/T 16886.10-2017**
- **Cytotoxicity acc.to GB/T 16886.5-2017**
- **STANDARD 100 by OEKO-TEX**
- **YY/T 0506 -surgical gowns and drapes**
- **High liquid absorption**
- **Optimal protection and long lifecycle => High Performance PLUS!**

TÜV SÜD EN ISO 13485 tuv-sud.com/ps-cert

TÜV SÜD ISO 9001

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100

Hohenstein Laboratories Schloss Hohenstein

functional textile solutions

Jiangsu BE-SAFE Medical Technology Co Ltd

Building 38, No.249, Liang Chang Road, Jintan District, Changzhou City, Jiangsu Province, China

Tel: 0086-0519-82790066 E-mail: bartizan@163.com Net: http://www.bartizan.cn

BE-SAFE® 卫护

CL-P

technical details

Style No.	CL-P	Test Method
Composition	99% Polyester filament yarn + 1% Conductive yarn	ASTM-D-629
Weave	Plain, Stripe 8.5mm	
Weight	105 g/m² ± 5%	JIS L 1096-6.4.2
Width	150 cm ± 1%	
Density	Warp: 152 ends/inch Weft: 89 ends/inch	
Pantone Color	Bleach	
Color Fastness	4-level	
Shrinkage	± 3	
Surface Resistivity	10^{10-11} (42%R.H.,21℃) ohm/square	DIN 54345-B
Friction Charges	Warp: 1478V Weft: 1207V	JIS L 1094-B
Decay Time	Warp: 1.35sec Weft: 0.29 sec	NFPA-99

Test Description of EN 13795	Unit	Requirement Standard Performance Critical Area	Test Method	CL-P Result	Standard Performance Requirement Fulfilled
Resistance to microbial penetration-Dry	Log_{10} (CFU)	Not required	EN ISO 22612:2005	1.26	Yes
Cleanliness-Microbial	Log_{10} (CFU/dm²)	≤ 2[c]	IS0 11737-1:2006	0.34	Yes
Cleanliness-Particulate matter	IPM	≤ 3.5	EN ISO 9073-10:2003	1.46	Yes
Linting	Log_{10}	≤ 4.0	EN ISO 9073-10:2003	2.21	Yes
Bursting strength-Dry	kPa	≥ 40	EN ISO 13938-1:2000	1948	Yes
Tensile strength-Dry	N	≥ 20	EN ISO 9073-3:1989	Warp: 1523 Weft: 1029	Yes

a. Test conditions: challenge concentration 10^8CFU/g talc. and 30 min vibration time.
b. Performance requirements apply for all products areas of clean air suits, as clean air suits should be used in addition to surgical gowns and not as a substitute.
c. For the purpose of this standard, log_{10}(CFU)≤2 means maximum 300CFU.

- **Washability up to 70 ℃**
- **Vapour sterilisation up to 134 ℃**
- **Biocompatibility acc.to GB/T 16886**
- **Irritationg acc.to GB/T 16886.10-2017**
- **Skin sensitization acc.to GB/T 16886.10-2017**
- **Cytotoxicity acc.to GB/T 16886.5-2017**
- **STANDARD 100 by OEKO-TEX**
- **High liquid absorption**
- **Optimal protection and long lifecycle => High Performance PLUS!**

TÜV SÜD EN ISO 13485 tuv-sud.com/ps-cert

TÜV SÜD ISO 9001

OEKO-TEX® CONFIDENCE IN TEXTILES STANDARD 100

Hohenstein Laboratories Schloss Hohenstein