

## Product Description of Face Mask Filter Material

|                              |   |  |  |  |
|------------------------------|---|--|--|--|
| <b>Item</b>                  | Meltblown Filter  |  |  |  |
| <b>Composition</b>           | PP  |  |  |  |
| <b>Average Cloth Weight</b>  | 25 GSM  | 40 GSM   |  |  |
| <b>Color</b>                 | white, black  |  |  |  |
| <b>Function</b>              | soft, flame retardant, waterproof, breathable, electrostatic, non-polluting, non-toxic, environmentally friendly, has high filtration performance and soft feel, and can block and filter dust, particles, bacteria and viruses□<br><br>standard: EN14683 type I/type II/type IIR, ASTM F2100 level 1/level 2/level 3, FFP1/FFP2, KN95, KN99, KF94, N95, N100 |  |  |  |
| <b>Width</b>                 | 17.5/26 cm  | 25/26 cm   |  |  |
| <b>Filter Factor</b>         | BFE99%  | BFE 99.5%~100%                                       |  |  |
| <b>Airflow</b>               | under 32L/min air flow PFE salt (NaCl) partical 98%+  | under 85L/min air flow PFE salt (NaCl) partical 95%+ | under 85L/min air flow PFE salt (NaCl) partical 99%+ | under 95L/min air flow : PFE both salt (NaCl) & oil-based (DEHS) partical 95%+ |
| <b>Length</b>                | 1000/2500 m   | 1300 m   |  |  |
| <b>Diameter of Each Roll</b> | 43/73 cm  | 55 cm  |  |  |
| <b>Package</b>               | 3/2 rolls/carton  | 2 rolls/carton                                       |  |  |
| <b>Weight</b>                | approx 15-16 kg/14-15 kg/32-35 kg   | approx 26-28 kg/27-29 kg                             |  |  |
| <b>Carton Size</b>           | 49.5x49.5x54.5/73*73*52.5 cm  | 49.5x49.5x54.5 cm                                    |  |  |

U.S.A.:ASTM F2100-19 STANDARD SPECIFICATION FOR PERFORMANCE OF MATERIALS USED IN MEDICAL FACE MASKS

美国：ASTM F2100-19医疗口罩中使用的材料性能标准规范

EUROPE:EN 14683:2019 MEDICAL FACE MASKS-REQUIREMENTS AND TEST METHODS

欧洲：EN 14683：2019医疗口罩的要求和测试方法

|                  |   | ASTM F2100-19                                     |  |                     | EN 14683:2019 Barrier Levels                                  |         |                              |
|------------------|---|---|--|---------------------|---|---------|------------------------------|
|                  |   | level 1   | level 2                                  | level 3             | Type I  | Type II | Type IIR                     |
| Barrier Testing  | BFE%<br>ASTM F2101, EN 14683            | ≥95   | ≥98                                      |                     | ≥95   | ≥98     |                              |
|                  | PFE%<br>ASTM F2299                      | ≥95   | ≥98                                      |                     | Not required  |         |                              |
|                  | Synthetic Blood ASTM<br>F1862, ISO22609 | Pass at<br>80 mmHg                                | Pass at<br>120 mmHg                      | Pass at<br>160 mmHg | Not required  |         | Pass at ≥ 16.0 kPa(120 mmHg) |
| Physical Testing | Differential Pressure<br>EN 14683       | <5.0mmH <sub>2</sub> O/cm <sup>2</sup>            | < 6.0 mmH <sub>2</sub> O/cm <sup>2</sup> |                     | <40 Pa/cm <sup>2</sup>  |         | <60 Pa/cm <sup>2</sup>       |
| Safety Testing   | Flammability<br>16 CFR Part 1610        | Class 1(≥3.5 seconds)                             |  |                     | See European Medical Directive<br>(2007/47/EC, MDD 93/42/EEC) |         |                              |
|                  | Microbial Cleanliness<br>ISO 11737-1    | Not required                                      |  |                     | ≤30 cfu/g   |         |                              |
|                  | Biocompatibility<br>ISO 10993           | 510 K Guidance recommends<br>testing to ISO 10993 |  |                     | Complete an evaluation according to ISO 10993                 |         |                              |

| Model | Type | Weight g/m <sup>3</sup> | Max resistance (Pa) | Max penetration (%) | Properties | Flow rate (L/min) | Medium | Feather |
|-------|------|-------------------------|---------------------|---------------------|------------|-------------------|--------|---------|
|-------|------|-------------------------|---------------------|---------------------|------------|-------------------|--------|---------|

|                  |           |    |      |        |                           |     |      |                |
|------------------|-----------|----|------|--------|---------------------------|-----|------|----------------|
| <b>P Series</b>  | FFP1      | 40 | <40  | >80    | Oil and Non-oil Particals | 95L | DOP  | FFP1 mask      |
|                  | FFP2/KF94 | 50 | <160 | >94    |                           | 95L | DOP  | FFP2/KF94 mask |
|                  | FFP3      | 80 | <190 | >97    |                           | 95L | DOP  | FFP3 mask      |
| <b>KN Series</b> | KN90      | 40 | <80  | >90    | Non-oil Particles         | 85L | NaCl | KN90           |
|                  | KN95/N95  | 50 | <100 | >95    |                           |     | NaCl | KN95□N95       |
|                  | KN100     | 80 | <175 | >99.97 |                           |     | NaCl | KN99□N100      |

## Product Show of Face Mask Filter Material

[Meltblown Fabric Factory](#)





[PP Meltblown Supplier](#)

Product Packaging and Shipping of Face Mask Filter Material



## Our Company

FOSHAN GUIDE TEXTILE CO., LTD., which is located in Foshan city. We are engaging in manufacture and sales of non woven fabric and non woven related products, since 2005. Up to now, we have professional elite sales team, several advanced non woven production lines with width of 1.6M, 1.9M, 2.1M, 2.4M, 2.5M, 3.2M, 3.7M, 4.8M, etc. Our products are well sold both in domestic and overseas markets, widely used in areas of agriculture and gardening, medical and

hygiene,  
personal care and beauty, industry application, packaging and wrapping, foundation and building,  
hotel and restaurant, labour protection and household, decoration, etc. Hot-sale products are pp  
(polypropylene) non woven fabric, pet (polyester) non woven fabric, sms non woven fabric, elastic  
non woven fabric, flower wrapping material, disposable underwear, disposable bed sheet, weed  
control fabric, disposable table cloth, fruit protection bag.



We have strict quality management system, and equipped with professional non woven test. Our  
products meet various of standards and own various of certificates and reports, such as SGS,  
MSDS, BUREAU VERITAS, CE, Nemko, TUV Rheinland, ATC, CTI, etc. We can design and  
produce according to customer's requirements and specifications, depending on the  
advanced  
technology and excellent management. Relying on many clients' trust, we are also offering  
cousultant and agency services on non woven products. With the business principle of  
"Quality First,  
Reputation Builds Future", we keep on diligently and excelsior working, to improve marketing  
competitive abilities, and finally accomplish company goal.

Certificate of Meltblown Filter



**检测报告(Testing Report)**

防伪查询网址(Security website): [www.fcl-sz.org.cn](http://www.fcl-sz.org.cn)  
防伪码(Security code): 7815080747



报告编号(Report No): ZFLJ2642756

Page 1 of 3

**Applicant Information (客户信息)**

Applicant Name(委托单位) : FOSHAN GUIDE TEXTILE CO., LTD(佛山凯缙纺织品有限公司)  
Applicant Address(委托单位地址) : Yonghao Industrial Park, Yongqing RD., Yanbu, Dali Town, Nanhai Dist.,  
Foshan, G.D.528247, CHINA(佛山市南海区大沥镇盐步永青路永好产业园)

**Sample Information (样品信息)**

Sample Description(样品描述) : meltblown non woven fabric 25gsm(熔喷无纺布 25 克)  
Style No.(款号) : SSKX-25  
Specification(规格) : 260mm  
Sample Quantity(样品数量) : 1roll (1 卷)  
Colour(颜色) : white(白色)  
Model(型号) : SSKX

- Sample Receiving date (收到样品的日期) : 2020-08-15  
- Report date (报告日期) : 2020-08-21  
- The original sample is stuck on the last paper. (送检样品原样粘贴在本报告的末页)

**Test Performed (检验标准)**

Judgement according to(评定依据):  
ASTM F2100-2019e1 Standard Specification for Performance of Materials Used in Medical Face Masks Level 2  
医用口罩用材料性能的技术规范 2 级  
- Selected test(s) as requested by applicants. (本实验室根据客户要求完成以下检测内容)

**Pronounce (声明)**

The results shown in this report refer only to sample(s) tested unless otherwise stated.All the items are performed in the standard conditions, except the noted cases.(除非特别说明,测试结果只对来样负责。所有测试项目均在标准规定的环境下进行,有注明除外。)  
Except for the requirement of the client, the test results and the conformity judgement of this report do not take the uncertainty of the test results into account.(除非客户要求,本报告检测结果及符合性判定不考虑测量结果的不确定度。)

Signed for and on behalf of  
CNTAC Testing Service Co.,Ltd.(Foshan)

Approved by  
(批准)

张志荣

( Except for microbiological project 微生物项目除外 )

罗拉越

( Microbiological project 微生物项目 )





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国际互认  
检测  
TESTING  
CNAS L1842



佛山中纺联检验技术服务有限公司  
CNTAC Testing Service Co.,Ltd.(Foshan)

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Page 2 of 3

--- Test Result (测试结果) ---

| Test Result(测试结果)   | Requirements(评定条件) | Judgement(判定) |
|---|--------------------|---------------|
| <b>1. Sub-Micron Particulate Filtration Efficiency (PFE) at 0.1 micron (0.1 微米的颗粒过滤效率)</b>  |                    |               |
| <u>ASTM F2299/F2299M-03(R 2017)</u>   |                    |               |
| Aerosol: PSL, Test area: 100cm <sup>2</sup> , Airflow: 32L/min, Sampling time: 1min, Thickness: 2.3µm, Basis Weight: 25.0g/m <sup>2</sup> (气溶胶类型: PSL, 测试面积: 100cm <sup>2</sup> , 测试流量: 32L/min, 采样时间: 1min, 厚度: 2.3µm, 单位面积质量: 25.0g/m <sup>2</sup> )  |                    |               |
| Unit(单位): <%>   |                    |               |
| sample 1#(样品 1)   | 98.8 ≥ 98          | Pass(合格)      |
| sample 2#(样品 2)   | 99.0               |               |
| sample 3#(样品 3)   | 98.6               |               |
| sample 4#(样品 4)   | 98.1               |               |
| sample 5#(样品 5)   | 98.1               |               |
| Minimum(最小值)  | 98.1               |               |
| <b>2. Bacterial Filtration Efficiency(细菌过滤效率) <u>ASTM F 2101-19</u></b>   |                    |               |
| Flow rate: 28.3L/min, Test area: 77cm <sup>2</sup> , Test bacteria culture: Staphylococcus aureus ATCC 6538, Particle Diameter: 3.0µm, Inside of the test mask was facing towards the challenge aerosol, The average plate count results of the positive controls: 2.6×10 <sup>3</sup> CFU, The average plate count results of the negative controls: <1CFU(气体流速: 28.3L/min, 测试面积: 77cm <sup>2</sup> , 试验菌种: 金黄色葡萄球菌 ATCC 6538, 平均颗粒直径: 3.0µm, 口罩内侧面朝向气溶胶室, 阳性质控值: 2.6×10 <sup>3</sup> CFU, 阴性质控值: <1CFU) |                    |               |
| Unit(单位): <%>   |                    |               |
| sample 1#(样品 1)   | 99.9 ≥ 98          | Pass(合格)      |
| sample 2#(样品 2)   | 99.9               |               |
| sample 3#(样品 3)   | 99.9               |               |
| sample 4#(样品 4)   | 99.9               |               |
| sample 5#(样品 5)   | 99.9               |               |





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佛山中纺联检验技术服务有限公司  
CNTAC Testing Service Co.,Ltd.(Foshan)

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Page 3 of 3

Original (送检样品原样)



===== End of Report (检测报告结束) =====



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若对检测报告有异议, 应于收到报告之日起 15 日内向检测单位提出, 逾期不予受理。



## FAQ of Face Mask Filter Material

| <b>Question</b>  | <b>Answer</b>   |
|--|---|
| Q1: Do you have it in stock ?  | A1: Yes,we have.  |
| Q2: What is your MOQ ?   | A2: Customized:1ton   |
| Q3: How can I get the sample ?   | A3: If you need sample to test, we can make it as per your request. But we need to charge sample fees. If it is our regular product in stock, you just pay freight cost and sample is free.                       |
| Q4: What is your package detail ?  | A4: individually packed for each pcs,or customer's requirements   |
| Q5: What should I do if I cannot find what I looking for on your website ? | A5: Please feel free to contact us by email and send detailed information for the product you look for.We will check whether it is available.   |
| Q6: What about lead time for mass production ?                             | A6: Honestly, it depends on the order quantity and the season you place order. Generally speaking,the lead time is about 2-4 weeks. So we suggest that you start inquiry as earlier as possible.                  |
| Q7: Is it all right to make customer's own brand name ?                    | A7: Sure. We warmly welcome the OEM clients. We can discuss the package, design, etc.   |
| Q8: When can I get the price ?   | A8: Usually we quote within 24 hours after we get your inquiry detail. If you are very urgent to get the price, please call us or tell us in your email so that we will quote your the price as soon as possible. |