



SIDDHI FILTER MEDIA
FILTRATION EXPERT

Commitment in **Environmental** Control



THE COMPANY PROFILE



Incorporated in India, established in 2006 by Mr.JH Sharma with a vision to provide total filtration solutions and a motive for environmental sustainability . **Siddhi Filter Media** is the fastest growing organisation in the business of liquid, gas, solid and air filtration. Our Company is managed by innovative and visionary technocrats having massive experience in the area of filtration.

By understanding the industrial need of filtrations our team works very efficiently on research and development for innovation of new products and technology. The Company's manufacturing units are well equipped with modern machineries and expertly trained employees. Our products are checked stringently by our team of auditors for quality assurance and customer satisfaction.

OUR VALUES



Safety



Innovation



Perseverance



Ethics

WHY CHOOSE US ?

- **QUALITY ASSUARANCE**
- **DURABILITY PROMISED**
- **FASTEST SERVICE**
- **ENVIRONMENTAL POLICIES**
- **MODERN MACHINERY**
- **TESTED PRODUCTS WITH REPORTS**
- **PERFECT TECHNICAL ASSISTANCE**

INDUSTRIES SERVED



Mineral and Metal



Energy



Food & Beverage



Pharmaceutical



Oil & Gas



Petroleum & Chemical

PHARMACEUTICALS

Fluid Bed Dryers play a major role in formulation process in Pharmaceutical industries. We serve all kinds of Fbdb, ensuring highest quality standards and better efficiency of products.



FBD/FBP



FBD COMBO-D TYPE



BONNET BAG

Type : As per OEM Drawing

Media : Antistatic Polyester, Antistatic Polypropylene, Antistatic Epitropic, PC Satin.

Sizes : 5KJ to 600KJ

PARAMETERS OF FABRICS

| Sr No. | Fabrics | Air Permeability -/+ 10% | Tensile Strength -/+ 5% | Grammage/ Weight -/+ 10% | Elongation -/+ 10% | Temperature |
|--------|--|--|--|-----------------------------|--------------------------|-----------------|
| 1 | Antistatic Polyester (Satin Finish) | 4.01 (ft ³ / ft ² min) -@ 310 pa | 33 Kg/cm ² | 304 gsm | 35.7% Warp 32.5% Weft | 110° C - 120° C |
| 2 | Antistatic (Polyproplene) | 37.4 (ft ³ / ft ² min) -@ 20 mm wc | 46.5 Kg/cm ² | 412 gsm | 41.7%Warp 31.0%Weft | 80° C - 100° C |
| 3 | Antistatic Polyester | 64.9 (ft ³ / ft ² min) -@ 20 mm wc | 55.1 Kg/cm ² | 500 - 900 gsm | 15% Warp 25% Weft | 150° C |
| 4 | Epitropic | 0.3 to 0.4 (ft ³ / ft ² min) -@ 20 mm wc | 150 Kg/cm ² Warp 200 Kg/cm ² Weft | 190 - 200 gsm | N/A | 150° C |
| 5 | PolyCotton Satin | 24 (ft ³ / ft ² min) -@ 20 mm wc | 250 Kg/cm ² Warp 160 Kg/cm ² Weft | 335 gsm | 18% Warp 15% Weft | 110° C - 120° C |
| 6 | Polyprpolene (PP - 101) | 0.27 (ft ³ / ft ² min) -@ 20 mm wc | 235 Kg/cm ² Warp 130 Kg/cm ² Weft | 327 gsm | N/A | 80° C |
| 7 | PP Spun | 8 (ft ³ / ft ² min) -@ 20 mm wc | 430 Kg/cm ² Warp 160 Kg/cm ² Weft | 450 gsm | 25% Warp 30% Weft | N/A |
| 8 | PP Needle Punch (Non Woven) | 14 (ft ³ / ft ² min) -@ 20 mm wc | 215 Kg/cm ² Warp 190 Kg/cm ² Weft | 700 gsm | N/A | N/A |
| 9 | PP Multifilament | 6.07 (ft ³ / ft ² min) -@ 20 mm wc | 450 Kg/cm ² Warp 375 Kg/cm ² Weft | 420 gsm | 38% Warp 28% Weft | N/A |
| 10 | Polyester | 49.21 (ft ³ / ft ² min) -@ 20 mm wc | 160 Kg/cm ² | 550 gsm | 15% Warp 25% Weft | 140° C - 150° C |

LIQUID SOLID SEPARATION

This filters act as porous mechanism which enables filtration system to remove solid particles from fluid. Major Industrial process rely on Liquid Solid Separation to remove unwanted particles from fluids. (Chemical,Oil,Water,etc.)



CENTRIFUGE BAG



LIQUID FILTER BAG



FILTER PAD

Type : As per OEM Drawing / Customer Requirement.

Media : Woven, Non Woven in Polypropylene, Polyester, Cotton, Nylon & Special coated fabrics (Multifilament / Spunbond).

Sizes : As per Standard Size of Equipment.

Application : Oil / Chemical / Petroleum / Food & Beverage / Water Plant

PARAMETERS OF FABRICS

| Fibre Type | Sp.Gr. | Maximum Operating Temp C° | Chemicals Resistance Rating | | | | |
|---------------|--------------|------------------------------|-----------------------------|-----------------------|-----------------|----------|------------|
| | | | Strong / Weak Acids | Strong / Weak Alkalis | Oxidizing Agent | Solvents | Biological |
| Polypropylene | 0.91 | 90 | Excellent | Excellent | Fair | Fair | Excellent |
| Polyester | 1.28 to 1.38 | 120 | Excellent | Poor | Fair | Good | Excellent |
| Nylon | 1.15 | 100 | Poor | Excellent | Fair | Good | Excellent |
| Cotton | 1.5 | 100 | Poor | Good | Fair | Good | Fair |
| HDPE | 0.96 | 80 | Excellent | Excellent | Good | Fair | Excellent |

DUST COLLECTION BAGS

Dust Collector bags are widely used in different machineries for collection of granules or powdered dust particles. Depending on media the efficiency of the collection of dust differs.



CYLINDRICAL BAG



MULTI POCKET BAG



GRINDING BAG



PULSE JET BAG



VACCUM 930D



BELLOWS

Type : As per OEM drawing / Customer requirement.

Media : Woven & Non Woven in Polyester, Polyester Satin, Polypropylene, Spunbond Polypropylene & Polyester, Needle-punch Polypropylene & Polyester, Antistatic Polypropylene & Polyester, Nomex , Ryton, PTFE etc.

Sizes : As per Standard Size of Equipment / Customer requirement.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

To ensure the safety and protection of the consumer Siddhi Filter Media manufactures wide range of protective gear which allows smooth & safe functioning in the organisations. Every product is tested and checked stringently by our experts.



ESD SUIT



KEVLAR HAND GLOVES



ALUMINIZED APRON



MACHINERY HANDREST



HOOD HAND GLOVES



DISPOSABLE APRON



HAIR CAP



SHOWER CAP



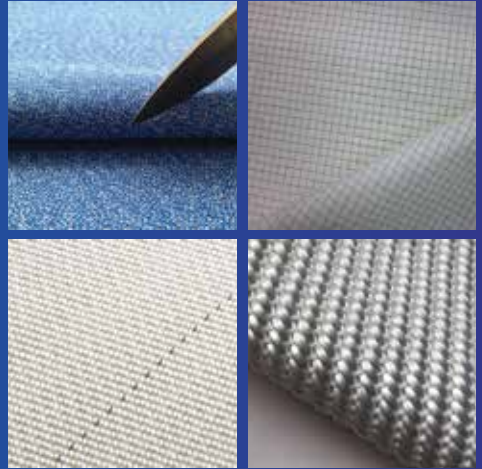
SURGICAL MASKS

FILTER FABRICS

Siddhi Filter Media offers wide range of filter fabrics including woven and non-woven, which are manufactured from the genuine quality raw materials using high technology machines providing strong conductivity, durability, high abrasion resistance property to the fabric.

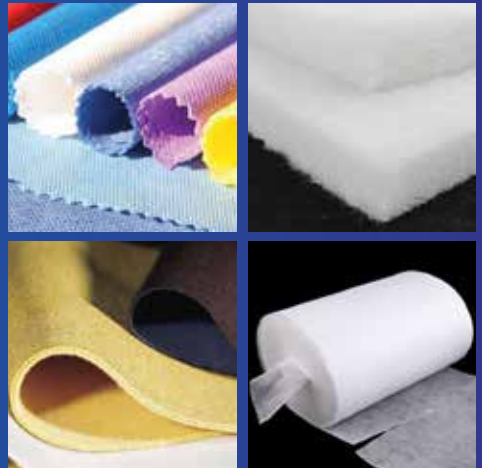
WOVEN

- Polypropylene (Spun, Multi Filament)
- Polycotton Satin, Cotton & Cotton Satin
- Antistatic
- Epitropic
- Polyester / Terylene (Spun, Multi Filament)
- Nylon Bolting
- Nylon / HDPE
- Glass Fibre (with / without coating of Silicon, PTFE)
- Geotextile
- Mono Filament
- Reflective Polyester Blend
- Airslide
- Canvas



NON-WOVEN

- Polypropylene
- Polyester
- Polypropylene Sulphide (PPS)
- Nomex
- Hiloft



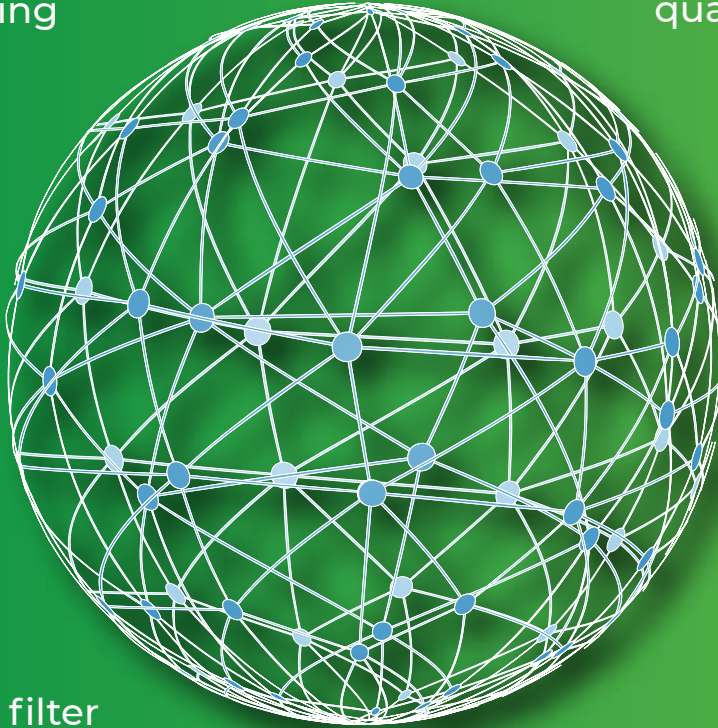
WITH FINISHES

- Acid Resistant
- Anti Adhesive
- Anti Static
- Fire Retardant
- Oil / Water Repellant
- Silicon & PTFE Coatings

VISION & MISSION

To be a reliable business partner and aim on establishing longterm business relations.

To set a benchmark for supply of high quality standard products at reasonable rates.



To be the World's best filter bag manufacturer and serve the finest products across the globe.

To focus on environmental sustainability for a better tomorrow.



PROPERTIES OF FIBRE FOR DRY FILTRATION

| Fibre Type | Cotton | Polypropylene | Polyester | Homopolymer Acrylic | Nomex Polymetaphylene Isophthalamide | Ryton (PPS) | Glass Fibre | PTFE | Nylon |
|--|---------------|---------------|---------------|---------------------|--------------------------------------|---------------|---------------|------|---------------|
| Temperature Limit (°C) | 82 | 90 | 130 | 130 | 200 | 190 | 260 | 260 | 100 |
| Water Vaporers Saturated Condition Moist Heat °C | 82 | 90 | 94 | 130 | 177 | 190 | 260 | 260 | NA |
| Max (Short Time Operation Tem °C (Dry Heat) | 94 | 107 | 150 | 150 | 240 | 232 | 290 | 290 | NA |
| Specific Density | 1.5 | 0.9 | 1.34 | 1.17 | 1.38 | 1.38 | 2.54 | 2.3 | NA |
| Relative Moisture Regain in % | 8.5 | 0.1 | 0.4 | 1 | 4.5 | 0.6 | 0 | 0 | NA |
| Support Combusion | Yes | Yes | Yes | Yes | No | No | No | No | NA |
| Resistance To Acid | | | | | | | | | |
| Hydrochloric Acid | Not Advisable | Good | Good | Good | Not Advisable | Good | Fair | Good | Not Advisable |
| Sulfuric Acid | Not Advisable | Good | Fair | Good | Not Advisable | Fair | Fair | Good | Not Advisable |
| Nitric Acid | Not Advisable | Good | Fair | Good | Not Advisable | Fair | Fair | Good | Not Advisable |
| Chromic Acid | Not Advisable | Good | Good | Good | Not Advisable | Not Advisable | Good | Good | Not Advisable |
| Aqua Regia | Not Advisable | Good | Fair | Good | Not Advisable | Not Advisable | Good | Good | Not Advisable |
| Acetic Acid | Good | Good | Good | Good | Fair | Good | Good | Good | Fair |
| Formic Acid | Fair | Good | Good | Good | Fair | Good | Good | Good | Not Advisable |
| Resistance To Alkali | | | | | | | | | |
| Aluminium Hydroxide | Fair | Fair | Not Advisable | Fair | Fair | Good | Good | Good | Fair |
| Sodium Hydroxide | Good | Good | Not Advisable | Fair | Fair | Good | Not Advisable | Good | Fair |
| Potassium Hydroxide | Good | Fair | Not Advisable | Not Advisable | Fair | Good | Not Advisable | Good | Fair |



ISO 9001 : 2015



**MANUFACTURER & SUPPLIER OF ALL KINDS OF
INDUSTRIAL FILTER FABRICS & FILTER BAGS**

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