



**providing
an extensive
range of
products**



ShreeShyam
CORPORATION
shreeshyamcorporation.com

Company Introduction

Established in the year **2014** at Ahmedabad (Gujarat, India), we "**Shree Shyam Corporation**" are the leading manufacturer, importer and exporter of a wide range of Fiberglass Fabric, PTFE Coated Glass Fabric, PTFE Coated Conveyor Belts, PTFE Glass Adhesive Tape, Fiber Glass Adhesive Tape, High Silica Tape With One sided Adhesive, Silicon Rubber Coated Glass Fabric, High Temperature Fabric, High Silica Fabric, Ceramic Fabric, Fiberglass Fire and Welding Blanket, Fiber Glass Tape, Vermiculite Coated Ceramic Or Fiber Glass Fabric etc.

We are supported by a robust infrastructural base that comprises of different departments such as procuring, production, quality testing, sales & marketing and warehousing & packaging. All departments function under the direction of an adroit team of professionals to maintain streamline production.

The production department is equipped with advanced machinery and equipment in order to produce products as per the defined quality norms. Owing to our ethical business practice, quick delivery, affordable price range and client-oriented approach, we are adding a long list of clients.

Under the supervision of our mentor Mr. Kirit Solanki, our firm is achieving heights of achievement. We also provide various amenities to the patrons to put their demands forward and get them solve timely and as per their requirements.

We are providing an extensive range of products to our customers. Our products are immensely well-liked due to their top features. We have a dedicated team of experts who make a faultless range of products. Our distribution network helps in catering products in every nook and corner of the country.

Some causes that made us a renowned company:

- **Wide distribution network**
- **Widespread market presence**
- **International quality standard range**
- **Customer-centric approach**
- **Competitive price**

Product Range

Fiber Glass Fabric

Fiberglass Fabric made out of High Quality E glass Fiberglass Yarn. Fiberglass Fabric is lightweight, versatile, and cost-effective.

Fiberglass Fabric is used in a variety of industrial and commercial products. Because it's made from glass, it is naturally resistant to heat, fire, chemicals, etc.

Our Range of Fiberglass Fabrics:

1. **Thickness:** 0.03 mm to 3 mm
2. **GSM:** 24 to 1000
3. **Weave Types:**
Plain, Leno, Satin, Twill, Mock Leno
4. **Width:** Up to 2000 mm
5. **Finish:** As per Customer's Requirement.

Properties:

- High Tensile Strength
- High heat resistance
- High Dimensional Stability
- Fire resistance
- Good thermal conductivity
- Good chemical resistance
- Outstanding electrical properties
- Durability
- Insulation

- Environment friendly
- Sound insulation
- Good filtration performance
- Used as the bindings of boiler for electrical machinery and appliances.

Applications:

- Backing material for Electrical Insulating Tapes.
- Aircraft, Boats, Automobiles
- Thermal Insulation.
- Reinforcement material for Polyester resins and Phenolic resins.
- Aluminium Filtration.
- Reinforcement for water proofing.
- Sound and heat protection
- PCB Board for computer
- Basic cloth for coatings and laminations
- Welding Blanket And Fire Blanket
- Expansion Joints
- Heat Shields and Containment
- Oven Door Seals
- Gasketing

Product Range

Fiber Glass Woven Roving Tape

Woven Roving is a bidirectional fabric made by interweaving direct roving in plain weave pattern. Woven Roving is compatible with many resins. It is a high-performance reinforcement and widely used in hand and machine production, such as coil insulation for furnaces. Boats, vessels, plane and automotive parts also widely used in wrap on boiler steam line.

Wrap and weft rovings aligned in a parallel and flat manner resulting in uniform tension and very little twist. Excellent rollout characteristics. Good wet-out in resins.

Application

Our woven tapes find application in electrical industry for insulation purposes, in stator & rotor coils in rotating machines, transformers power cables, epoxy cast coils, dry type transformers and general FRP applications.

- Motor and Generator Core Binding
- Traction Motor Core Binding
- Transformer Core Binding.
- Wind Generators Core Binding.
- Used in Boilers, Furnaces and Ovens for sealing.

Common Features

- Excellent di-electric properties.
- Good chemical resistance.
- Good reinforcement to insulating varnishes
- Armoring against mechanical damage.

Main Specification:

- **Type of Glass:** E-glass
- **Thickness:** 1 mm to 3 mm
- **Width:** 20 mm to 100 mm
- **Working Temperature:** 550 degree

Product Range

Resiglass Tape Or Polyglass Tape

RESIGLASS Tape is made of an unidirectional layer of cabled glass yarn impregnated under tension with a modified thermo setting resin for class "H" insulation.

SSC RESIGLASS tape can successfully replace steel band with the following Advantages:

1. Under Layer Insulation is not required.
2. Increased Resistance to Humidity & Corrosion.
3. Electrical losses and flash over hazards are reduced.
4. Band is bonded to the winding improving stability.

RESIGLASS is known throughout the rotating electrical equipment industry for its tensile strength, durability, insulation value, ease of application, and storage shelf life, due to the uncompromised use of highest grade raw materials and consistent manufacturing process.

RESIGLASS is for use on motors of temperature ranges up to (220°C). Armatures can be banded with this tape either hot or cold. This resin flow also results in greater prestress retention, thereby minimizing coil movement.



Available sizes:

- 8 mm, 10 mm, 20 mm, 25 mm, 40 mm, 50 mm

Available Length:

- 50 meter, 100 meter, 200 meter

Available Thickness:

- 0.30 ± 0.05 mm

Product Range

Fiber Glass Adhesive Tape

Well-known in the industry as an enviable manufacturer and supplier of a comprehensive range of Fiberglass Adhesive Tapes. Premium-grade raw material and basic components like PSA grad adhesive are used in the manufacturing process of these adhesive tapes. Knitting a wide distribution network, we are able to dispatch our range to the clients' end on-time.

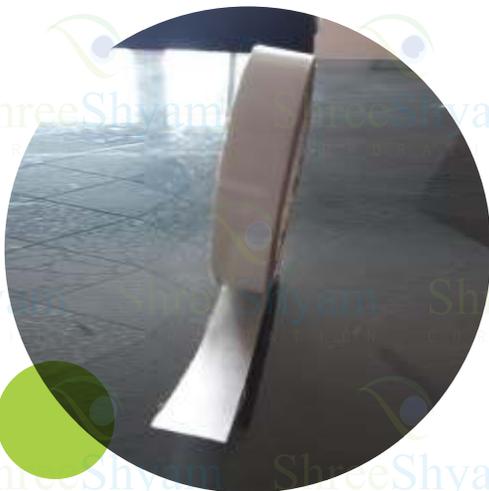
Features:

- Fire retardant
- Strong adhesion
- Water proof

Further Details:

These Tapes are Fire Retardant and silicone adhesive is used for constructing these tapes which are used as 'H' class tape insulation to be used in Circuit breakers, H.T. Transformers, H class motors and manufacturing of H class transformers.

F class Fiber glass tape is used for insulation in winding and other electrical machines. These tapes are used in a variety of industries such as printing, automotive, consumer durable and aerospace to mention a few.



Product Range

Fiberglass Filter Media For Dust Collection Bags

Separation of solid particles from gases by a textile filter media at a very high temperature is an essential part of an industrial process, contribute to the recovery of precious material & improvement in pollution control.

In a fabric dust collector, dust laden gas is drawn through air permeable fabric, normally in the form of a tubular bag of different diameter & length where the gas passes through the fabric & the particles are retained. In this process the gas is filtered & clean gas comes out of dust collector/bag filter.

Our Woven Glass fiber filter media is designed with specific properties like yarn quality & count, Yarn density, Weave pattern to achieve required parameter for optimum efficiency in filtration at a temperature of 260 Degree C on continuous rating.

Special chemical finishes are imparted to withstand severe chemical attack, Mechanical stress & abrasion in extreme condition.

Types of Finishes:

1 Finish Code:

SGT Silicone, Graphite, PTFE Finish

A proportionate mixture of Silicone; Graphite; PTFE which protects media against abrasion, while it provides limited protection against chemical attack. This Finish is recommended for Cement & Foundry Industries.

2 Finish Code:

PTFE Finish

A ten percent add on of PTFE on the filter media, protects it from abrasion because PTFE encapsulates the glass filament. Recommended for utility based load boilers.

3 Finish Code:

AR: Acid Resistant Finish

This is formulated of a mixture of Silicone, Graphite, PTFE & an acid resistant polymer. This prevents Filter media against severe acid & chemical attacks while also reducing abrasion. Recommended for Industrial Boiler & Carbon Black.



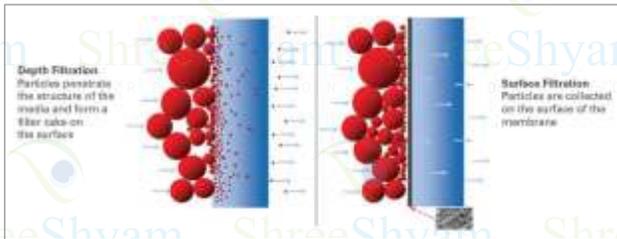
Product Range

Expanded PTFE Membrane Laminated Fiberglass Fabrics

The main challenges faced by Fiberglass Filter media were short bag life due to acid attacks which corrodes the glass filament, Also as pollution norms became more & more stricter. ePTFE Membrane laminated filter media is the need of the hour.

ePTFE Membrane filter media can bring about a wide range of benefits for your fabric filter bag house, the unique structure of our membrane prevents the penetration of fine dust particulates into the supporting substrate and facilitates excellent cleanability due to their non – stick characteristics.

Depth Filtration VS Surface Filtration



ePTFE Membrane laminated filter media operates by utilizing surface filtration principles. The membrane on the filtering surface of the media prevents penetration of fine particles into the substrate. When cleaned, there is a near total removal of dust from its surface. It is this twin – action characteristics

that enables ePTFE Membrane laminated filter media to increase airflow without compromising baghouse DP. The permeability of media is maintained at all times and so DP is not only lower, but is kept constant throughout the life of the filter elements. Below Images display the effects of ePTFE Membrane laminated fabric on the Baghouse.



Applications

- Refineries
- Basic Power generation
- Large utilities
- Asphalt production
- Carbon Black production
- Incinerator
- Industrial Boilers



Product Range

Fiber Glass Mesh

We are engaged in offering Fiberglass Net Mesh Fabric to our clients.

Other Details:

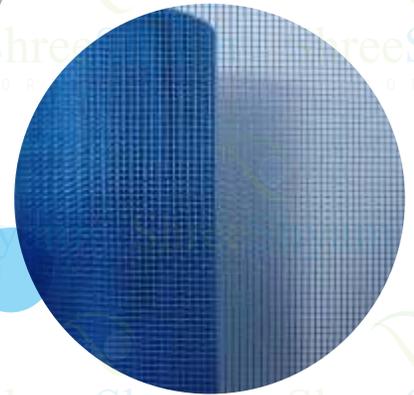
- They are made non - alkaline, with high quality special glass yarns.
- The required chemical and physical characteristics as well as dimensional stability are achieved through special alkaline resistant finishes.
- Providing a proper use and observance of the plaster manufacturers working in building construction, this reinforcement fiberglass fabrics offer maximum security against tension.
- The reinforcement grids are highly unaffected by temperature, have excellent strength and an extreme resistance to alkali.
- The frequent occurring tensions in ceilings and walls are well compensated by the fabrics to prevent in the plaster.
- It is an ideal engineering material in construction and can be easily used to reinforce cement, stone, wall material, roofing, bitumen, gypsum, and so on.
- It is used for Internal & External Plaster Reinforcement.

Features

- High crack strength
- Rust proof
- Easy to use

Uses

- Reinforcement for construction chemicals
- High Crack Strength
- Reinforcement for Plaster
- Crack Repairs
- External & Internal Plaster Reinforcement
- Marble Slab Reinforcement
- Asphalt reinforcement(Roof waterproofing)
- Reinforce lightweight construction boards





Product Range

Fiber Glass Stitching Thread and PTFE Thread

Stitching Thread is a most important member of the filter bag and Stitching for High Temperature Fabrics, It must withstand very high temperature, abrasion and should not give way during entire operation of Bag. We offer Fiber Glass Stitching Thread, 100% Pure PTFE Stitching Thread & PTFE Coated Fiberglass Stitching thread. 1250 Dernier & 1570 Dernier pure PTFE Thread are most commonly used and are ideal to withstand extreme condition.



Product Range

PTFE Coated Fiber Glass Fabric

PTFE Coated Fiberglass Fabric is a composition of two advanced materials having remarkable properties. PTFE has outstanding properties like highly flexible, chemically inert, Thermally & Electrically Resistant & Non - stick having a melting point of 327 Degree C. PTFE is insoluble in all common solvent, It is stable enough to be used in between -73 Degree C to +260 Degree C without degrading.

PTFE itself is a highly versatile product with well know remarkable properties and fiberglass is well known as an excellent material in terms of its high temperature resistance and dimensionally stability. Combination of these two materials gives one product of practically unsurpassed utility and value with following properties:

Properties

- High release from sticky materials 'Non - stick' smooth surface
- Operating temperature range -73 Deg C to +260 Deg C
- Excellent chemical resistance
- High electrical insulative and dielectric properties
- Dimensional stabilities under heat and pressure
- Low electrical losses
- Mildew and fungus resistance
- Ultra-Violet, infra-Red, Micro-wave, radio frequency resistance





Product Ranges

1 Premium Grade Fabrics:

PTFE Coated Fiberglass Fabrics have extremely smooth surface without any surface defect. Premium Grade has an extra Add on of PTFE on the glass fabric that makes it more durable and smooth finish. High quality glass fabrics combined with specially formulated high level of PTFE content produces super smooth, high gloss surface coating. It has also good abrasion resistance and tensile strength. Applications may include laminate - release sheets, belting for food, electrical insulation and industrial processing. The product can be used in direct contact with food.

GSM	Thickness		PTFE Content%	Tensile Strength		Temperature Resistance Degree C
	Mil	Mm		Warp Kg/2.54 CM	Weft Kg/2.54 CM	
75	3 Mil	0.07	36%	30	20	260
130	3 Mil	0.08	63%	30	18	260
250	6 Mil	0.15	58%	44	44	260
280	6 Mil	0.15	60%	45	45	260
530	10 Mil	0.25	62%	86	78	260
725	14 Mil	0.35	60%	110	85	260
1150	22 Mil	0.55	62%	130	120	260
1450	28 Mil	0.70	60%	100	112	260
1700	36 Mil	0.90	58%	300	200	260

* These are all nominal values: Tolerance: ± 5%

2 Standard Grade Fabrics:

PTFE Coated Fiberglass Fabric with standard formulation and percentage of PTFE content, provides a cost effective alternative to Premium grade series used for variety of industries and general purpose application, still maintaining good heat transfer, release property & flexibility.

GSM	Thickness		PTFE Content%	Tensile Strength		Temperature Resistance Degree C
	Mil	Mm		Warp Kg/2.54 CM	Weft Kg/2.54 CM	
120	3 Mil	0.07	60%	30	20	260
255	5 Mil	0.125	57%	44	32	260
255	5 Mil	0.14	57%	50	50	260
475	10 Mil	0.23	57%	96	85	260
625	14 Mil	0.33	52%	120	95	260
1050	22 Mil	0.52	54%	140	130	260

* These are all nominal values: Tolerance: ± 5%

3 Anti - Static Grade Fabrics:

To dissipate static charges developed during processing of dry products, glass fabric is coated by mixing Anti-static chemical with PTFE to make Anti-static Grade PTFE coated fiberglass fabric.

GSM	Thickness		PTFE Content%	Tensile Strength		Temperature Resistance Degree C
	Mil	Mm		Warp Kg/2.54 CM	Weft Kg/2.54 CM	
255	5 Mil	0.125	57%	44	32	260
260	5 Mil	0.125	58%	50	50	260
515	10 Mil	0.25	60%	86	78	260
680	14 Mil	0.35	52%	90	80	260
780	16 Mil	0.40	58%	90	70	260

* These are all nominal values: Tolerance: ± 5%

Applications:

- **Abrasive**

During the manufacturer of Grinding Wheels our PTFE or Glass Fabrics are used as a separator in place of traditional Aluminium plate. On account of Non-stick surface, less thickness and weight, more number of disc are able to cure at a time. Cost of PTFE or Glass fabric is very nominal when compare with Aluminium sheet.

- **Aerospace**

Designed to be 'Breathable' without sacrificing the non-stick properties of PTFE, our porous grade allows products to cure and outgas through the fabric. Porous bleeder material used as release fabric in vacuum molding.

- **Conveyor Belts**

PTFE or Glass Fabric is engineered to make conveyor belts for various application in Food, Textiles & Garments, UV & IR Curing systems, Extrusion, Packaging, Chemical and many more applications are being developed day by day.

- **Food Processing**

PTFE or Glass Fabric belts are used for transporting Quick Frozen Foods through freezing chambers and bakery items i.e. biscuits, Confectionery items, Tortilla Industry, Drying Fruits, Tray for Baking products etc.

- **Packaging**

It is used for Heat Sealing applications like LDPE pouches, all kinds of dairy products. PE bags, Stationary and books packaging through shrink tunnels. Conveyor Belts on Acma - Wrap machines for detergent and soap cake packing. PTFE or 2ply Glass Fabric belts are used in continuous sealers.

- **Photovoltaic/Solar**

High gloss and very smooth surface PTFE Coated glass fabrics up to 2500 mm wide, This can be used as belting material during solar module lamination process. PTFE Fabrics used as released products (sheets & belts) in the vacuum lamination process of rigid or flexible photovoltaic modules.





Product Range

PTFE Coated Fiberglass One Side Adhesive Fabrics



SHREE SHYAM CORPORATION manufactures a PTFE Coated Fiber Glass Fabric with Silicone Adhesive on One Side for application requiring a more aggressive adhesive at lower temperature.

When we talk of PTFE Coated Glass Fabrics, the most important and unavoidable area of application is in the PACKAGING INDUSTRY.

When we discuss about PACKAGING, the DAIRY INDUSTRY comes on top.

PTFE Coated Glass Cloth and One Side Adhesive Tapes are used in SATCHET / POUCH Filling Machines (Pre-pack, Fill-pack, etc). These cover the Heating element and on account of non-stick nature of PTFE, the molten plastic /polyethylene does not stick on the element while the Milk pouch is being sealed.

PTFE is Non-toxic and it is universally accepted.

Frequently used by the packaging industry as a release surface on heat sealers, blister formation and form-fill-seal equipment. The durability and anti-stick properties also make it an ideal material for the lining of guide rails, chutes and slides. The high temperature capabilities and non-stick properties allow it to perform as an excellent release surface in the composite aircraft industry.

The combination of PTFE, fiberglass and a high-temperature silicone adhesive allows it to perform in continuous temperatures up to 260°C.



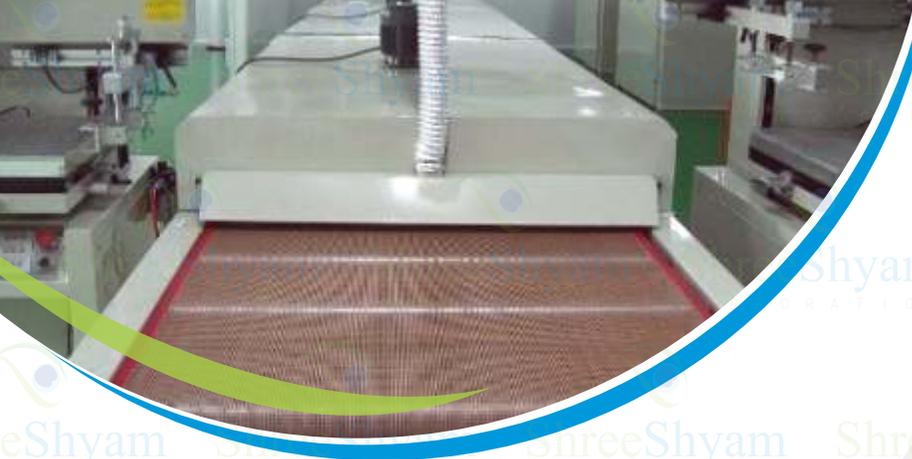
It is dimensionally stable and resistant to tears, punctures, abrasion and wear, makes “SSC” PTFE /GLASS Adhesive Tapes and Cloth a very durable and versatile product.

Backing GSM	Thickness in MM		Adhesion Strength N/5 CM	PSA Type	Liner Type	Temperature Resistance Degree C
	Backing	Total				
120	0.07	0.125	22	Silicone	Yellow PVC	-73 to 260
120	0.07	0.125	21	Silicone	No Liner	-73 to 260
250	0.15	0.20	28	Silicone	Yellow PVC	-73 to 260
255	0.14	0.19	25	Silicone	Yellow PVC	-73 to 260
280	0.15	0.21	26	Silicone	Yellow PVC	-73 to 260
230	0.15	0.19	28	Silicone	Yellow PVC	-73 to 260
530	0.25	0.30	30	Silicone	Yellow PVC	-73 to 260

* These are all nominal values: Tolerance: ± 5%

Applications:

- **Oil, Ghee, Milk Pouch Packaging:**
Covering the heating element with adhesive side, allowing heat to pass through, thus sealing the LDPE Pouches dully filled with Oil, Ghee or Milk permanently & releasing the pouch by the other side of PTFE Coated Tape without any material sticking to the surface.
- **Covering Drying Cylinders:**
To prevent any sticking, lining up of trays in food product curing.
- **Release Surface on Bonding Tools**
- **Ironing or Pressing Equipment**
- **UPVC Window Welding**



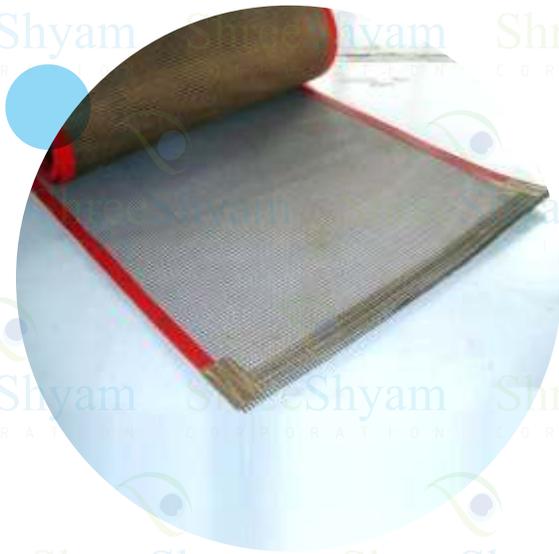
Product Range

PTFE Coated Fiberglass Conveyor Belts

PTFE is a fluoropolymer having unique properties, Fiberglass is strong light weight material. Combination of both material, when Glass Fiber is coated with PTFE produces combined excellent properties.

- Remain stable enough to be used between -73 deg c to 260 deg c
- Chemically Inert
- Non-Stick, Non-Toxic & Food Grade
- Un-affected by UV, IR & High Frequency
- High Tensile Strength with low elongation at break





SSC is also the name of leadership in manufacturing of high performance process belts. Our industrial Conveyor Belts combines the excellent properties of these two extraordinary material, PTFE & Fiberglass.

GSM	Thickness		Colour	Tensile Strength	
	Mil	Mm		Warp Kg/2.54 CM	Weft Kg/2.54 CM
75	3 Mil	0.07	Brown	30	20
130	3 Mil	0.08	Brown	30	18
260	5 Mil	0.12	Black	50	50
280	6 Mil	0.15	Brown	45	45
530	10 Mil	0.25	Brown	100	85
515	10 Mil	0.25	Black	86	78
725	14 Mil	0.35	Brown	110	85
680	14 Mil	0.35	Black	100	80
780	16 Mil	0.40	Black	115	90
1150	22 Mil	0.55	Brown	140	130
580	40 Mil	1.0	Brown	100	190
470	36 Mil	0.90	Brown	100	96
470	36 Mil	0.90	Black	85	80
500	30 Mil	0.78	Brown	125	100

* These are all nominal values: Tolerance: $\pm 5\%$

We offer below different types of belt Splice:

- **Overlap splice:**

Belts end are cut straight or angularly at different angle overlapped to 25 mm to 100 mm and heat sealed. It gives a very strong joint. Strength of joint is more than the basic fabric strength. This joint makes the belt endless.

- **Butt Splice:**

Both ends of the belts are cut straight or at different angles and butted together and the piece of PTFE/ Glass fabric of same or greater thickness is fused at the underside of the belt to get a smoother surface on top. Sometimes a piece of thin fabric is fused on the top side to protect the joint. This makes the belt endless.

- **Two Ply Belt Splice:**

Two layer of PTFE/Glass cloth are laminated with staggered joint to achieve uniform thickness of the belt all over the belt length, to make a strong and endless belt.

- **Smart Loop (Bullnose):**

A Leno woven fabric with braided thin Kevlar rope in fill direction which forms the loop, is used as a splice. This is stitched on both ends of leno woven mesh belt and a mono peak pin is used to complete the joint. This splice offers maximum airflow & flexibility at jointed portion. This makes the belt open ended.

- **Metallic Alligator Splice:**

This is a strong metallic splice where metallic alligator is fixed on both ends of the belt & connected by a metallic pin to complete the joint. This makes the belt open ended. Open end belts are required where it is difficult to dismantle the machine & install the belt.

- **Finger Splice:**

In this splice, small fingers are cut by a template at both ends of the belt and fixed in the alternative grooves and a piece of PTFE Coated Fiberglass Fabric is heat sealed on the top & bottom side of the joint to make it endless. It is an improvised butt joint which provides flexibility to run belt even at the smaller diameter of rollers of machine.

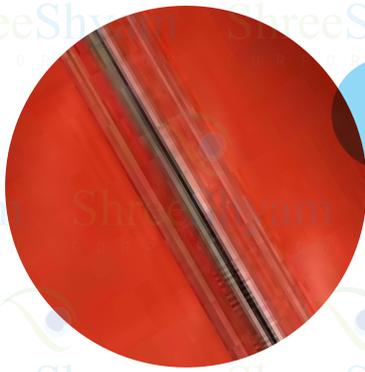
- **Castellated Seal Splice (Fabric – Pin Splice):**

Small dimension of fabric, heat sealed on both edges of the belt is cut alternatively to make hinges like fixing. A non- metallic pin is inserted to complete the joint. This belt is used where use of metal is undesirable.

- **Edge Reinforcement:**

Both edges of the belt need protection from tearing while running and coming in contact with metallic components. Skived PTFE Film or PTFE coated Fiberglass cloth is fused on both edges or stitched by 100% PTFE Thread.





Belt Tracking System:

- 1 **Guide Button:**
Made of SS or Brass or PTFE studs are fixed on one side or both side of the belt at a fixed pitch and center distance width wise which run in the groove of the drive and driver roller to control the belt running straight on the machine. This is suitable for smaller width & shorter length belt.
- 2 **Braided Kevlar Profile:**
This is stitched at one edge of the belt which runs in the groove of the roller for keeping the belt in straight course.
- 3 **Belt Control by Limit Switch:**
For larger size of belts limit switch mechanism with governing rollers are incorporated along with machine by the equipment supplier which controls the belt running smoothly on the chain.

We offer below types on conveyor belts

- 1 **PTFE Mesh Conveyor Belts:**
Our open mesh belts are used in screen printing to transport imprinted materials through drying ovens and cooling chambers. These belts are long lasting and perform well over a wide range of operating temperatures.
- 2 **Seamless Belts:**
Seamless belts for band sealer is available in single layer fabric which is woven, PTFE coated & cut from a seamless fabric, Larger size of seamless belt is also available as per dimension.
- 3 **Two Ply Belts:**
Two Ply Belt is a laminated belt with two layer of PTFE Fabric, Basically used in band sealer application for LDPE pouch packaging for powder packaging.
- 4 **Silicone Rubber Belts:**
Silicone Rubber Belt for shrink tunnel for packaging equipment for packing stationery & food product is available.

Applications:

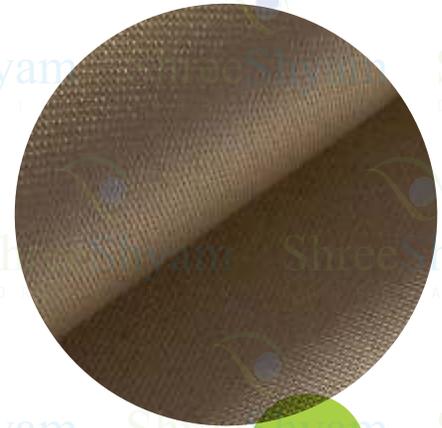
Process	Typical Applications
Conveying	Packaging, Screen Printing
Casting	Polymer Processing, Manufacturing Floor, Coverings, Carpet Tiles and Rubber Extrusions
Releasing	Food Processing, Screen Printing, Rubber Extrusions, Composites Manufacturing
Laminating	Textile Fuse Pressing, Wood Processing, Composites Manufacturing
Drying	Packaging, Screen Printing, Food Processing

* These are all nominal values: Tolerance: ± 5%

Product Range

High Temperature Coated Fabrics For Thermal & Acoustic Insulation:

With the advent of more & more industrialization, new technology is evolved to protect/shield human beings & surrounding atmosphere from extreme condition. Lot of new products in Fiber Glass Fabrics & Coating on fabrics are developed for Thermal insulation and Flame retardant which are environment friendly and non- toxic. Fiber Glass fabric, Silicone Rubber Coated Fiber Glass Fabric, Vermiculite Coated Fiber Glass Fabric, Graphite Coated Fiber Glass Fabric, Alluminium Coated Fiber Glass fabric, Vermiculite Coated Ceramic Fiber Fabric, Ceramic Fiber Fabric, High Silica Fabrics. These products are designed to provide a complete one stop solution for all high Temperature Thermal & Acoustic Insulation Applications. Each of these products have different temperature resistance and properties, making each of them a very unique product suitable for a niche application.



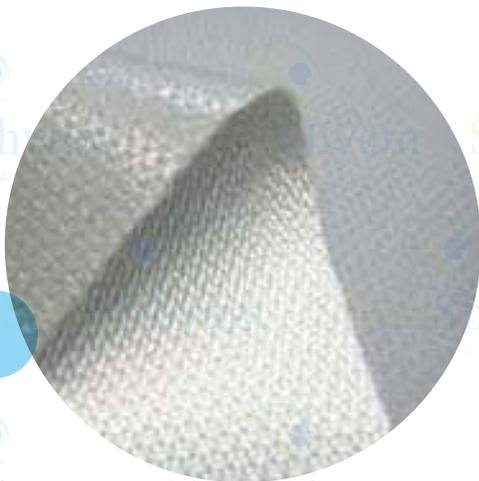
Product Range

Silicone Rubber Coated Fiber Glass Fabrics

Silicone coated fiberglass fabric is manufactured by SSC Performance Materials by coating various levels of silicone emulsion on fiberglass fabrics of varied thicknesses. It does not contain asbestos or ceramic.

The features of a silicone fabric manufactured by SSC Performance Materials, are as follows:

1. Silicone Fiberglass helps greatly in heat insulation.
2. Even though Silicone Fiberglass has high strength, it is flexible and soft.
3. The silicone coated fiberglass fabric is chemical, oil and water resistant.
4. The fabric is resistant to oxygen, ozone and light.
5. Silicone Fabric can be single or double sided coated.
6. Maximum temperature resistance is 550°C with constant protection provided for up to 260°C.
7. Available in shiny or matt finish.
8. Regular colours include red, grey, black, Olive Green, And Orange.
9. The thickness varies between 0.25 mm up to 3 mm





Applications Include:

- **Electric insulation:**
The fabric has high grade of electric insulation and bear a load of high voltage.
- **Non-metallic compensator:**
Used as pipeline flexible coupling, non-metallic compensator helps to avoid damage caused by heat expansion and cold contraction. This membrane material specially fit for use in industries like petroleum, chemical engineering, cement, iron and steel and energy sources due to its special features of temperatures resistance, anti-corrosion, anti-aging, and good elasticity and toughness.
- **Anti-corrosion sector:**
It is good to be used as inner and outer anti-corrosion layer featuring excellent corrosion resistance, temperatures and high strength. It proves to be an ideal anti-corrosion material.
- **Welding Blanket:**
These fabrics offer high-temperature and heat resistance, along with the ability to shed welding splatter and molten steel & aluminium splash. Typical applications are as welding curtains or blankets, or high-temperature protection blankets for engine exhaust components or industrial equipment, steam and gas turbines.
- **Other:**
Apart from above application, it can also be used as sealing material, temperature resistance and anti-corrosion conveyor belt and packaging material. Silicone coated fabrics are the perfect choice for protecting a variety of hoses, lines, wires, cables and equipment assemblies such as electronic enclosures, valves, robotic heads, festoon cables, EAF cables, etc., from exposure to high temperature, molten metal splash, slag, welding splatter, UV light, abrasion and contamination.



Product Range

Silicone Rubber Coated Fiber Glass Sleeve

Fire retardant Fiberglass sleeving is coated with Silicon are flexible.

Fire Sleeving is designed to protect hoses, wires and cables from the hazards of intense heat and occasional direct flame.

Working temperature: $-65^{\circ}\text{C} \sim 500^{\circ}\text{C}$ (It can work in 165° degree high temperature for 15~30 seconds.)

Made of braided high quality fiberglass yarns in a flexible substrate, it is then coated with a high-grade, fully-cured silicone rubber. Resistant to hydraulic fluids, lubricating oils, and fuels, fire sleeve insulates against energy loss in piping and hosing, protects employees from burns and provides flame and molten splash resistant protection for wires, hoses, and cables.

Braided (Industrial) fire sleeve utilizes a braided interior fiberglass sleeve to provide the highest level of protection in critical areas potentially exposed to intense fire conditions (ex. an oil line inside of an engine compartment). In addition to being applicable for use in Aerospace applications by meeting requirements, braided fire sleeve is also commonly used in Automotive, Maritime, Locomotive, Heavy Equipment and Petrochemical industries.

Features:

- Excellent low temperature flexibility with outstanding flame retardant properties.
- Resistant to acids, alkalis, organic solvents and aliphatic hydrocarbons.

Unique Properties:

- Superior Electrical Properties.
- Good Expandability and Flexibility.
- Chemical Resistance.
- Extreme Abrasion Resistance.
- Oil Resistance.
- Self Extinguishable.

Typical Application:

- Mainly used in steel plants, smelters, glass and other thermal places to protect the hose, hose assemblies and cables. It also helps maintain line temperature and reduce environmental overheating and overcooling.
- Transportation (Aerospace, Auto, Locomotive, Heavy Equipment)
- Metals, Iron & Steel
- Those Fabrication
- Oil & Gas

Product Range

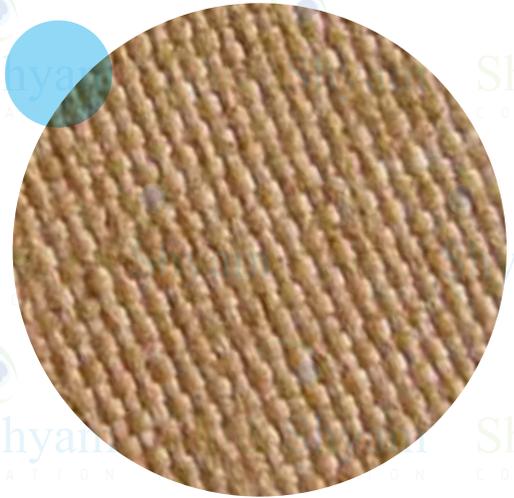
Vermiculite Coated Fiber Glass Fabrics

Vermiculite Coated Fiberglass Fabric is woven from highly texturized continuous filament fiberglass yarn and treated with a proprietary vermiculite coating. The high temperature coating causes heat to disperse evenly across the surface of the fiberglass fabric, significantly boosting its resistance to high temperatures and abrasion. SSC proprietary vermiculite coating has larger platelets and a greater percentage of solids than competitive coatings allowing for better coverage and superior heat dispersion. Our coating also features an organic adhesion promoter to improve the bond between the platelets and the fiberglass fabric to reduce flaking, improve moisture resistance, and ensure a longer product life.

Its Temperature Resistance Up To 850 Degree C.

Applications:

- High Temperature Gloves
- Proscenium Curtains
- Insulation Blankets
- Welding Blankets and Welding Pads
- High Temperature Lagging



Product Range

Graphite Coated Fiber Glass Cloth

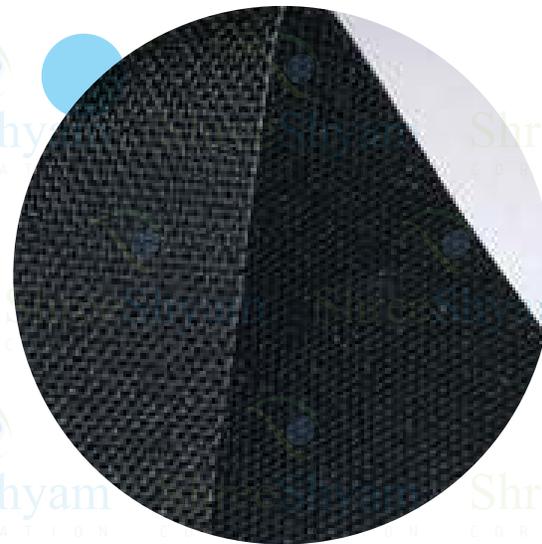
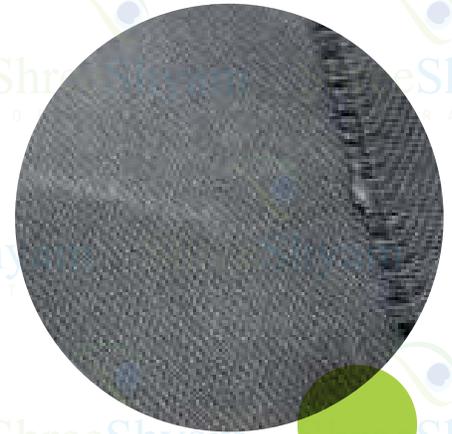
Graphite Coated Glass Cloth has excellent heat resistance, good abrasion and release properties.

The Graphite solution increases the fabric temperature resistance and can improve its performance where flexing is involved.

Its Temperature Resistance Up To 750 Degree C.

Applications:

- Fire Curtains
- Insulation Blankets
- Welding Blankets and Welding Pads
- Thermal Insulation



Product Range

Aluminium Coated Fiber Glass Fabric

We are offering Aluminum Coated Fiberglass Fabric With the use of retardant adhesive, the fiberglass fabric forms a highly dense composite film. It comes with light reflectivity and has relatively large longitudinal and transverse tensile. The fabric is waterproof and has a pretty smooth surface.

Our aluminized fabric is made with an aluminized PES film laminated onto E-Glass Fiberglass fabric. The Aluminized film not only gives the fabric radiant heat reflectivity and flame resistance but also makes the fabric impervious to chemicals and water.

This makes our aluminized fabric an excellent option for application in products used for thermal insulation and as a radiant barrier. The aluminized fiberglass cloth becomes an ideal pick, especially for safety clothing where flexibility is essential.

Its Temperature Resistance Up To 650 Degree C.

Features:

- Light reflectivity
- Waterproof
- Transverse tensile
- Smooth surface

Applications:

- Air conditioning
- Heat Reflection Fabric for Automotive industry
- Ducting
- Insulation Mats
- Furnace wrapping
- HVAC equipments
- Pipe insulation and building materials
- Oil pipes, steam pipes
- Fire Proximity Suits
- Furnace Safety Suits
- Aprons
- Gloves
- Radiant Heat blankets, welding blankets and curtains
- Expansion Joints and Bellows
- High temperature insulation
- Heat shield and containment
- Removable insulation cover
- Safety clothing
- Pipe wrapping
- Turbine blankets
- Engine exhaust covers and insulation blankets

Product Range

Vermiculite Coated Ceramic Fiber Cloth

- It is a soft, flexible cloth made of ceramic fiber yarn reinforced by stainless steel wire with both sides vermiculite coated.
- It is an ideal replacement for an asbestos product used for thermal insulation and heat protection.
- It will not burn, rot, mildew or deteriorate and resist most acids.
- It has the low coefficient of thermal expansion and is suitable for temperature up to 1260°C.
- We also can make the finished fire proof blanket with holes to customers, such as 1MX2M, 2MX2M, 3MX3M per sheet.

Application:

- Used in welding blankets, stress relieving, removable insulation covers, fire blankets, fire curtains, expansion joints, oven door seals, flue ducts, flue liner protection, Cable protection, Pipe wrap, High-temperature gaskets.

Advantage:

- Compared to uncoated Ceramic fiber, vermiculite coated Ceramic fiber fabric cloth has little irritation of skin and provides increased resistance to high temperature, flame, and abrasion. In addition, the vermiculite film helps to seal against gasses and liquids. Vermiculite Coated Ceramic Cloth is completely non-flammable.



Product Range

High Silica Cloth

- High Silica Cloth has more than 96% silica with excellent break strength and improved abrasion resistance.
- High Silica Cloth has been especially developed to use in the applications to protect against extreme temperature environment.
- Silica cloth has excellent thermal insulation characteristics over a very wide temperature range and doesn't melt until temperature exceeds 3000°F or 1600°C.
- They also have excellent chemical resistance and electrical insulation properties.
- High Temperature Silica Cloth has wide-spread applications and is used in various industries like, metallurgy, building rockets, building aircrafts, building ships, the car industry, machine building and even atomic energy.
- The High Silica Cloth, has over 96% Amorphous Silica. The fabric does not contain asbestos or ceramic and is flexible with the ability to withstand high temperatures.

Benefits of High Silica Fabric:

- High resistance to temperature upto 1600 ° C.
- Thermal Shrinkage is less
- Electrical conductivity is low



Here are the applications for the High Silica Fabric:

- Welding and Fire Blanket
- Thermal and Electrical Insulation
- Gasketing
- Expansion Joints
- Heat shields
- Containment
- Door Seals
- The inner lining of switch boxes
- Hose and Cable Protection
- Protective Garments
- Heat and Flange Shielding

Following are the Features of High Silica Fabric

- Chemical resistant
- Abrasion resistant
- Upper-temperature resistance of up to 1600°C
- Continuous protection of up to 1000°C
- High insulation value
- Flexible and non-hazardous
- Coated Silica fabrics offer protection up to 1100° C

Product Range

High Silica Tape With One Sided Adhesive

High Silica Tape is constructed from >96% pure SiO₂ Silica Fiber Yarn. The silica tape is treated with "Vermiculite" based mineral dispersion, thus making the tape high temperature resistant and flame retardant. The silica tape is uniformly coated with pressure sensitive silicone based adhesive. This self-adhesive backing facilitates easy and convenient installation and makes the product user-friendly in nature. The silicone adhesive is integrated to the silica tape in such a way that even at elevated temperature, the adhesive provides a perfectly tape-wrapped hose, cable or pipe. Its potential benefits also include energy saving and safety for working personnel. The silica tape exhibits excellent flexibility, moderate abrasion resistance, and high tensile strength and shows minimal lineal shrinkage under extreme heat conditions.

Applications:

- This product is suitable for providing Thermal & Electrical insulation to industrial equipments, protection of Industrial Wire, Cable and Hoses from high temperature.
- The Silica Tape wrapping also provides personnel protection from high temperature hoses and cables.
- It helps in energy saving by minimizing heat loss.
- It also provides temporary and permanent solution to equipments prone to catching fire.
- The woven silica tape also protects from extreme heat, welding splatter and molten metal.

Product Range

Ceramic Fiber Cloth

Ceramic Fiber Cloth is a woven fabric that is manufactured from high purity aluminosilicate based ceramic fiber, reinforced with fiberglass filament and optional alloy steel wire. The product is white and odorless, suitable for high temperature applications up to 2300°F.

Characteristics:

- Low thermal conductivity, low heat storage, high temperature stable, thermal shock resistant
- Fire and flame proof
- Chemical resistant, compatible with most corrosive chemicals, commonly used acid and alkali (exceptions are hydrofluoric, phosphoric acids and concentrated alkalis)
- Lightweight, woven texture with excellent handling strength.

Applications:

- Safety and protective insulation cover, curtains, blanket, welding blanket
- Expansion joint fabric
- Insulation wrapping material for cable, wire, pipe, exhaust, etc.
- Gaskets, tadpole gasket and other high temperature insulation seal



Product Range

Ceramic Fiber Tape

Ceramic Fiber Tape is a narrow woven fabric manufactured from high temperature aluminosilicate based ceramic fiber reinforced with high temperature fiberglass. The product is white and odorless, suitable for high temperature applications up to 2300°F.

Characteristics:

- Low thermal conductivity, low heat storage, high temperature stable, thermal shock resistant
- Fire and flame proof
- Chemical resistant, compatible with most corrosive chemicals, commonly used acid and alkali (exceptions are hydrofluoric, phosphoric acids and concentrated alkalis)
- Lightweight, woven texture with excellent handling strength.

Applications:

- Safety and protective insulation covers, strip curtains, door seals;
- Insulation wrapping material for cable, wire, pipe, exhaust, etc;
- Gaskets, tadpole gasket and other high temperature insulation seal.





Product Range

Fire Blanket & Welding Blanket

Shree Shyam Corporation is a specialist Fire and welding blanket manufacturer. The Fire and welding blanket we make is used in Fire and welding safety to protect industry workers and equipment from welding sparks, heat and molten metal.

The Fire and welding blankets are manufactured from fabrics that are heat and flame resistant. Our welding safety equipment offers high-level protection from dangers like drops of molten metal, welding sparks and slag. Hence, these blankets can be used in the automobile, shipbuilding, construction, engineering, and many such industries where welding safety is required.

Our Fire and welding safety blankets are available with different characteristics and in different sizes.

The Fire and welding blanket specification is as provided below:

- The Fire and welding fire blanket material used can withstand an upper limit of 1650°C and provides a continuous protection of up to 1260°C
- The blankets are manufactured as per your requirements. The edges are stitched with brass eyelets and high-temperature Kevlar or Fiberglass sewing threads
- Does not contain asbestos

Fire and Welding Blanket Selection can be done as below:

- Light Duty Welding Blankets: Suited for light welding splatter these welding blankets are made with 0.5 mm Fiberglass or Silicone Coated Fiberglass fabrics giving temperature resistance upto 550°C.
- Medium Duty Welding Blankets: Suited for Welding splatter and molten metal spark protection in closer proximity and greater intensity than the above these blankets are therefore made with 1.00 mm Fiberglass or Silicone Coated Fiberglass.
- Heavy Duty Welding Blankets: These are suited for temperature resistance upto 1000°C where extreme welding spark and molten metal splash protection is needed and therefore they are made with Vermiculite Coated Ceramic fabrics.
- For extreme heavy duty welding protection up to 1260°C, Ceramic Fire blankets of 3.2 mm thickness should be used.

Industries We Serve

- Shipping
- Mining
- Construction
- Safety
- Power
- Hot & Cold Insulation
- Defense
- Aerospace
- Plastics & Packaging

ShreeShyam

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