

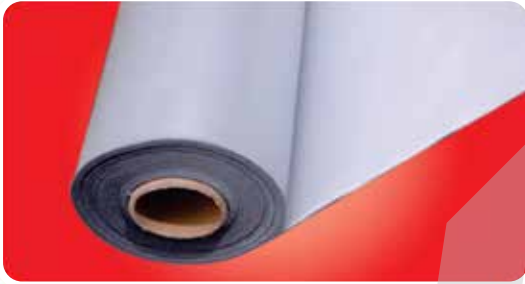
# High Temperature Resistant Clothes

## Glass Fibre Clothes

Glass fibre cloth is made of glass fibre yarns and it's available in the range of 220-2000 g/m<sup>2</sup>. Its high temperature resistance and durability makes this material ideal for industrial uses. Reinforcement of various materials improve the characteristics of glass fibre clothes and offers a wide range of application.

**C-Glass:** Classification temperature is 450°C. It shows high chemical resistance.

**E-Glass:** With its classification temperature of 550°C, the product provides high electric and mechanical strength.



## Polyurethane (PU) Coated Glass Fibre Clothes

Polyurethane coated clothes are produced by coating the glass fibre cloth with polyurethane. They have high resistance to the oils and solvents. Polyurethane coated glass fibre clothes are easy to cut. The product is predominantly preferred as a welding curtain.

## Silicone Coated Glass Fibre Cloth

The material is produced by coating the glass fibre cloth with silicone. Silicone coating enhances its resistance to liquid, oil and fuel. The higher the amount of silicone gives less liquid permeability to the material. It is an ideal product for insulating jackets in industrial applications. Silicone coated clothes are offered in different colour options depending on application requirements.



## Aluminium Foil Coated Glass Fibre Cloth

It is produced by coating the glass fibre cloth with polyester or aluminium foil. Since it reflects heat and radiation more than other type of clothes and it has a better visual appearance, this material is mostly preferred for production of protective clothes, exhaust and pipe insulations.

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## Teflon Coated Glass Fibre Cloth

The product is manufactured by coating the fibre cloth with Teflon. It provides excellent resistance against any chemicals up to 260°C. It is predominantly used in the production of compensators and the systems operating under challenging conditions.



## Glass Fibre Cloth Reinforced with Wire

It is produced by weaving the fibre yarns together with Inconel wires. It has quite good resistance to high temperature and tearing. In general, it is used in the high vibration systems such as turbine and exhaust circuits. Wire reinforcement gives the material high performance up to 750°C.

## Silica Cloth

Silica cloth is a type of thinly woven cloth which has temperature resistance up to 1200°C. It is a special type of cloth which is not much affected by the temperature changes, showing physical and chemical stability as well. Primary fields of its use include inner layers of turbine and exhaust cushions and production of welding and fire curtains.



## Aramid Cloth

It is a fibrous type of cloth which has very high tensile strength and excellent thermal resistance. It is mainly used in the systems of the aerospace, military and industrial applications that require high resistance. Furthermore, it is also used for the production of bulletproof vests and heat resistant workwear.