



Versatility of Jute Fabric: A Sustainable and Durable Textile

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Description

Jute is a natural fiber that has been used for centuries to create a variety of products, from rope to textiles. Jute fabric, in particular, has gained popularity in recent years due to its sustainable and durable nature. Jute is often regarded as one of the most inexpensive and cost-effective plant fibres (along with cotton fibres). Lignin and cellulose are the two main chemical components of jute fibres. The term lignin refers to a type of complex organic polymer. Cellulose is an organic polysaccharide composed of a linear chain (straight chain) of hundreds (or thousands) of D-glucose molecules bonded together. Jute fibres are typically classed as bast fibres, which are plant fibres that can be gathered from the bast or phloem that surrounds the plant's stem. Some famous fibres derived from the phloem or bast of the producing plants includes linen (derived from the flax plant's bast), industrial hemp, and kenaf (also known as Java jute and Deccan hemp). Jute agro textiles are one such example. It is most commonly used in agriculture to manage soil erosion, seed protection, and weed control. It is utilised in geotextiles for technical applications. Many of these uses are being replaced by synthetic materials however the key advantages of jute over synthetic fibres are biodegradability and sustainability.

Sustainability

One of the main reasons for the growing popularity of jute fabric is its sustainability. Jute is a renewable resource that can be grown in a

variety of climates, making it a more sustainable option than synthetic fabrics. It is also biodegradable, meaning that it can be easily disposed of without harming the environment.

Durable

Jute fabric is also incredibly durable, making it a popular choice for a variety of applications. It is resistant to wear and tear, and can withstand exposure to sunlight and moisture. This durability makes it an ideal choice for products that are used frequently, such as bags and rugs.

Versatility

Jute fabric is incredibly versatile and can be used to create a variety of products. It can be used as a base material for other fabrics, such as cotton or silk, or it can be used on its own to create a variety of products. Jute bags, for example, have become increasingly popular due to their durability and sustainability. Jute can also be used to create rugs, curtains, and even clothing.

Appearance

Jute fabric has a unique appearance that sets it apart from other textiles. It has a natural, earthy feel that can add warmth and texture to any space. It is also available in a variety of colors, from natural beige to darker shades of brown, making it a versatile option for a variety of design styles.

Conclusion

In conclusion, jute fabric is a sustainable and durable textile that has become increasingly popular in recent years. Jute was traditionally utilised in traditional textile machines as a textile fibre with cellulose (vegetable fibre content) and lignin (wood fibre content). The major breakthrough came when the automobile, pulp and paper, and furniture and bedding sectors began to employ jute and its associated fibres with their non-woven and composite technology to make nonwovens, technical textiles, and composites. Its versatility makes it an ideal choice for a variety of products, while its unique appearance adds character and texture to any space. As consumers become more environmentally conscious, jute fabric is sure to remain a popular choice for designers and consumers alike.

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