



IS 1422 : 1983 Specification for Cotton Duck (Third Revision)

Cotton Duck is a type of heavy, plain-woven cotton fabric known for its durability and versatility. Cotton duck is sometimes referred to as "canvas" and is available in different weights, commonly labeled by "duck numbers," with lower numbers indicating heavier weights. Cotton duck fabric is widely used in applications requiring durability and strength, such as **Tents, Outdoor furniture, Workwear** (e.g., jackets, aprons), **Bags** (backpacks, tote bags), **Upholstery, Sails and covers , Art canvases etc**

The key quality parameters include high strength and durability, regular weave consistency, appropriate weight and thickness, high abrasion resistance, minimum shrinkage and breathability.

IS 1422:1983 provides detailed requirements for cotton duck fabric. This standard outlines the constructional specifications for five varieties of cotton duck used in industrial and defense applications, such as tarpaulins and boot linings. Cotton duck fabric, characterized by its closely woven, heavy-duty structure, can be supplied in grey, scoured, or dyed forms.

Key provisions include the use of **high-quality yarns** free from impurities, uniform constructional details as specified in Table 1, and **minimum performance criteria** in terms of strength and durability. Specific characteristics such as **scouring loss, pH levels, shrinkage limits, and color fastness** for dyed varieties are also defined. To ensure durability, cotton duck must meet strict thresholds in breaking strength and dimensional stability.

Labelling requirements mandate that each piece of fabric is marked with the manufacturer's name, variety number, year of manufacture, dimensions, and other relevant details. Packaging protocols are outlined for safe handling and transportation, ensuring the fabric's quality remains intact from the point of manufacture to delivery.

The standard also includes sampling methods to verify conformity with the specifications, ensuring that the fabric meets its intended quality specifications. This rigorous standard serves as a benchmark for manufacturers to produce high-quality, consistent, and durable cotton duck fabric suited for various industrial applications.