

IS 4046 (Part 2):2013

TEXTILES — GENT'S COTTON BRIEFS PART 2 PLAIN KNITTED

Gent's cotton briefs are men's underwear made from soft, breathable cotton fabric, designed for comfort and support. They feature a snug fit, elastic waistband, and high leg openings, ensuring ease of movement. **Good moisture absorption and durability**, ideal for everyday wear and providing a comfortable, secure fit are the essential features of briefs.

Indian Standard IS 4046 (Part 2):2013, sets the standard for men's cotton briefs, that are plain knitted. It outlines the constructional details and requirements for these garments, aiming to standardize their quality and features. The Standard covers aspects like the design, **fabric composition, elastic strap specifications, seams and stitches, dimensional requirements**, and other characteristics such as colour fastness and **pH value**.

The standard specifies two types of brief designs and their respective dimensions, along with the acceptable tolerances. The **fabric used for the briefs** should be bleached or dyed and meet specific construction parameters, including yarn count and mass per square meter. The standard also outlines the requirements for the **elastic strap at the waistband**, which can be either an outer woven strap or an inner woven strap formed by folding and stitching the fabric. In both cases, minimum width and mass requirements are specified, along with detailed specifications for the covered rubber threads used in the strap. The types of stitches and sewing thread count for different parts of the briefs are also defined, ensuring proper construction.

The standard defines tests for **dimensional changes due to relaxation** and the pH value of the aqueous extract to ensure quality and performance. Colour fastness to light, washing, perspiration, and rubbing is also tested to ensure the briefs maintain their appearance and colour over time.