

## **Textiles – Gents Cotton Briefs Part 1 1x1 Rib knitted IS 4046: 2013, (Part I)**

The above standard prescribes the constructional details and other particulars of scoured, bleached or dyed cotton-rib-knitted briefs. The Rib -knitted fabric shall be 1x1 with single core with minimum diameter of 0.6 or two threads. The brief is a tightfitting underwear without leg portion.

Optional requirements such as general appearance, shape, lustre, shade and feel of the briefs is a matter of prior agreement between buyer and seller. Branded elastic straps of suitable dimensions at thigh openings may also be provided

The briefs are made up of a number of fabric pieces, such as elastic strap the width of strap should be minimum 25 mm, also minimum mass per 100 m should be 1.7 kg.

Minimum number of ends of covered rubber in the should be 20 and also the covered rubber thread shall have minimum of 160 mm of rubber core with minimum diameter of 0.6 mm. The minimum elongation when a load of 225 gms is applied to a specimen length of 100 mm should be 160 percent. The fabric should be free from manufacturing defects such as large mends, ladders, dropped stitches holes, cuts, mist stitches, defective stitching, uneven dyeing, stains etc. The requirement characteristics of Briefs include dimensional change due to relaxation, pH value of aqueous extract and color fastness of dyed brief.

The dimensions of briefs for different sizes shall confirm to the requirements as prescribed in the standard or as agreed between the buyer and seller. However, the dimensions shall be subjected to the tolerance specified. The size of the brief is fixed according to the hip measurement of the wearer for example, 85 size briefs are meant for wearers having hip measurement of 85 cm. The marking on the brief includes size of brief, indication of source of manufacture, washing instructions or any other information as required by the buyer.