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Knitted fabrics can be made much more quickly and easily than woven fabrics at comparatively less cost. Two yarns forming loops in each course of the fabric knit the fabric. Knitting machines form loops of yarn with many pointed needles or shafts. The vertical rows of loops are called ribs or wales, and horizontal rows of loops are called courses.

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On the other side, tests results show the wear resistance regarding mechanical properties like tensile strength and breaking elongation of knitted fabrics for socks. To obtain samples knitted fabric were used several types of some classic yarns, which already use to obtain socks organic also another type of yarns less used: cotton, organic cotton, bamboo viscose, soy + cotton, Tencel.

Knitted fabrics should not only posses elasticity and provide freedom of movement, but they should also have good handle, a high level of clothing comfort and easily transmitted vapour from the body. In this paper, the influence of cotton and the poly-

THE INFLUENCE OF THE STRUCTURAL CHARACTERISTICS OF COTTON ...

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The yarn variables which influence knitted fabric quality are: Yarn strength. Yarn count. Yarn type. Yarn evenness. Yarn twist. Yarn extensibility. Yarn rigidity.

Knitted fabrics and types - list of knitted fabrics ...

the influence of knitting structure produced by loop and tuck on the water vapor permeability and air permeability of double layered weft knitted fabrics. The test results were discussed statistically with ANOVA single factor data analysis. The significant results in analysis of variance concluded with Tukey's least significant test.

The influence on thermo-physiological characteristics of weft-knitted spacer fabrics was evaluated rigorously through scanning electron microscopy (SEM) and Fourier transform infrared spectroscopy-attenuated total reflection (FTIR-ATR) analysis test.

Spirality has definite influence on both the functional and aesthetic performance of knitted fabrics and their garments. Displacement or shifting of seams during the garment make-up mismatched patterns due to wale skewness, sewing difficulties etc. are some important practical difficulties due to spirality.

The Influence of Knitted Fabrics' Structure on the Thermal and Moisture Management Properties. The results demonstrated that some properties, such as, thermal properties, diffusion ability, air and water vapor permeability are influenced by both raw material type and knitted structure parameters.

The Influence Of Knitted Fabrics

This paper studies the influence of fabric's structure on the thermal and moisture management properties of knitted fabrics made of two types of yarns with thermo-regulating effect: Coolmax® and Outlast® . The main purpose of this study was the selection of the most adequate fabric, to be used in summer and winter sportswear.

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Research Regarding the Influence of Raw Material and ...

The main influence on the electrostatic properties of tested fabrics has the arrangement of conductive carbon core yarns inserted in the knits. In order to evaluate the comfort of knitted fabrics the air permeability, hygroscopicity, time of absorption and drying degree of fabrics were

The Influence of Three-Layer Knitted Fabrics' Structure on ...

Warp knitted fabric is knitted at a constant continuous width. This is achieved by supplying each needle with a yarn (or yarns) and all needles knit at the same time, producing a complete course (row) at once.

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removed during knitted fabric preparation according to individual principles and to the combined base principle. This fact explains the low indexes of knitted fabric capillarity according to these methods of preparation. Figure 3 The influence of the preparation method of cotton knitted fabric on the waxes content

STUDY OF INFLUENCE OF THE PREPARATION METHOD ON THE LIGHT ...

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Study on the important factors influencing spirality of ...

Multifunctional pretreatment of cotton knitted fabric can make surface smoother and lower the friction resulting in lower needle penetration force. It is well known that raw cotton has genetic and added impurities.

MULTIFUNCTIONAL COTTON KNIT FABRIC PRETREATMENT ...

Four different weft-knitted fabric structures were produced using 100% cotton yarn and 100% lyocell yarn of the same count and stitch length, and then wales per inch, courses per inch, width, fabric areal density (g/m²), pilling resistance and bursting strength of the fabrics were compared. Results of the two sets of samples were found ...

Compositional and Structural Influence on Some Weft ...

On the other hand, a coarse yarn will produce a stiff fabric that has high drape. There is effect of fibre type, yarn quality and fabric attributes on fabric performance. McGregor and Naebe (2013) reported the comfort properties of 81 single jersey knitted fabrics with varying fibre, yarn and fabric attributes.

Chapter 3 Fabric properties and their characteristics ...

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