Citation: *Najwa Abu Nassif (2019), Dimensional Stability, Aesthetic and Functional Properties of Cotton:Polyester Blended Knitted Fabrics with Different Structures, International Design Journal, Vol. 9 No. 4, pp 23-29*

Dimensional Stability, Aesthetic and Functional Properties of Cotton: Polyester Blended Knitted Fabrics with Different Structures

Najwa Ali Abu Nassif
Fashion Design Department, Design and Art College, Jeddah University, Jeddah, Saudi Arabia

Abstract:

Throughout this study, functional, aesthetic, and dimensional stability properties of knitted blended fabrics were experimentally presented. An experimental work was introduced to examine. In order to investigate the loop length of the knitted fabrics and the polyester blending ratio on bursting, air permeability, pilling resistance and shrinkage ratio of knitted fabrics, thirty fabric samples were knitted with three loop length, five levels of polyester ratios for single jersey and rib knit structures. Analysis of variance and regression analysis were used to detect the influence of loop length and polyester content on knitted fabric properties. The findings of this study revealed that independent variables under study have a massive influence on the functional and aesthetic properties of the knitted blended fabrics.

Paper History

Paper received
20th August 2019,
Accepted
25th September 2019,
Published
1st of October 2019

Keywords:

Fabric Structures, Dimension Stability, Physical Properties, Cotton, Polyester

Doi:

