

Seersucker Fabrics Development Using Single Warp Beam

Authors : Khubab Shaker, Yasir Nawab, Muhammad Usman Javed, Muhammad Umair, Muhammad Maqsood

Abstract : Seersucker is a thin and puckered fabric commonly striped or chequered, used to make clothing for spring and woven in such a way that some threads bunch together, giving the fabric a wrinkled appearance in places. Due to use of two warp beams, such fabrics were not possible to weave on conventional weaving machines. Objective of this study was to weave a seersucker fabric on conventional looms using single warp beam. This objective was achieved using two types of yarns, forming stripes in weft: one being 100% cotton yarn and the other core spun elastane yarn with sheath of cotton (95.7% cotton and 4.3% elastane). Stress-strain behaviour of the produced fabric samples were tested and explained.

Keywords : seersucker fabrics, elastane yarns, single warp beam, weaving

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