



Studying the Bending Stiffness of Polyester/Linen Fabric Seams with Different Structures

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Abstract: Bending stiffness is a fabric property that affects the aesthetic and comfort properties of clothing. This paper presents a study of the effect of some sewing parameters of polyester/linen woven fabric of three levels of picks per unit length with three different weave structures on the bending stiffness of sewn seams.

Bending lengths and stiffness were measured using Shirley stiffness tester for the seams made of two type of PES sewing thread (spun, core spun) and three levels of stitch density. The effects of both fabric and seam parameters on the bending properties of the sewn seams have been evaluated.

Keywords : polyester/linen, sewn seams, regression analysis, average float, fabric tightness.

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