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Textile Properties of Men's Chino Pants: Does Price Matter?

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The purpose of this project was to compare three pairs of similar pants with different price points to evaluate if there are differences based on textile characteristics.

The fabric characteristics of the pants were evaluated for following characteristics: fiber content, yarn structure, weave structure, method of coloration, are information, fabric weight, and thread count. Dimensional stability was evaluated by measuring the front and back length and width. The measurements were measured after one, three, and ten launderings. Resistance to staining was tested by applying peanut butter, apple sauce, red wine, butter, oil, ketchup, ranch dressing, mustard, and grape jelly to the fabric. After laundering, the stains were rated using the AATTC Staining Scales. Colorfastness to perspiration, home laundering, crocking, and chlorine and non-chlorine bleach were tested on each pant according to AATTC test methods. The colorfastness tests were rated using AATTC Gray Scale. Wickability of the fabric was test by taking a 10-inch sample strip of each pant, and holding it into a glass of water. The distance of water traveled up the specimens was measured after being held in the water for 5 minutes

When testing dimensional stability the Faded Glory pants had the least shrinkage. The pants all wrinkled the same. Faded Glory had the best crocking. The Faded Glory pants were the worst in staining, Rountree and York following closely. The results revealed that price was no indication of quality regarding the selection of the pants. When comparing the results the lowest price pants, Faded Glory, actually performed better on several test as compared to the two higher priced pairs of pants.

In conclusion, where consumers are concerned, the Faded Glory pants would make the best pair of pants to purchase. The pants have the lowest price but proved better than the Roundree & York and H&M men's pants in several areas making them the best option at an affordable rate.