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Serviceability of Baby Onesies

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We performed this study to evaluate which brand of baby onesies would uphold its serviceability according to its textile properties. The brands that were tested included Polo Ralph Lauren, Carter's, Child of Mine, and Old Navy. We predicted that the Carter's brand would perform the best with all of the tests that we performed and would most likely keep its original dimensional stability.

To determine which brand performed the best we performed many tests on each baby onesie. We recorded the price, fiber content, and care instructions from the labels and hang tags on each garment. The fabric was evaluated by yarn structure, specimen weight, thread count, and fabric construction. Dimensional stability and appearance retention were evaluated after one, three, and ten launderings. Colorfastness to crocking, laundering, bleach, and perspiration were evaluated. We also tested fabric for wickability.

Child of Mine shrunk the least amount compared to the other three baby onesies. All of the brands did the same when it came to the crocking test and appearance retention. Each brand was affected by chlorine bleach except the Old Navy onesie and each brand was not affected by non-chlorine bleach. Child of Mine was the best in releasing stains. All of the brands failed the wickability test. Each brand also did very well in color fastness to laundering.

In conclusion, we have determined that Child of Mine was the best brand in serviceability. Even though it failed the wickability test, it did very well in releasing food stains and shrunk the least amount. We felt that It performed the best out of the other brands that we tested.