Effect of using softener washing treatment on jeans fabrics

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Abstract:
The present research work, using different softeners against water and air permeability resistance. In this work, three different concentration for each of silicone & Fatty acid softeners have been synthesized. Air permeability and water permeability are discussed by changing the amount of softener concentration. It was a great effort to figure out the optimal level of the softener that would be breathable permeability. The results show that if the amount of softener is increased, the permeability of the woven fabric decreases, which affects the different properties of the garment.

Comfort and attractiveness are the two most essential requirements in textile manufacturing. Various types of finishing are applied to the fabric to achieve these desirable properties. Among these, silicone wash and fatty acids are the preferred methods of increasing the softness of the fabric. Softeners make the fabric soft, brilliant, greasy, brighter, and slippery and make it more elastic to produce a desirable handle.

Keywords: Silicone softener, Fatty acid softener, Fabric permeability

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