

## **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 concentrations 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 have 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. 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 property.

### **Keywords:**

Silicone softener, Fatty acid softener, Fabric permeability.