

## **Influence of Chemical Treatment on Elastic Properties of the Band Cotton Crepe 100%**

**Authors :** Bachir Chemani, Rachid Halfaoui, Madani Maalem

**Abstract :** The manufacturing technology of band cotton is very delicate and depends to choice of certain parameters such as torsion of warp yarn. The fabric elasticity is achieved without the use of any elastic material, chemical expansion, artificial or synthetic and it's capable of creating pressures useful for therapeutic treatments. Before use, the band is subjected to treatments of specific preparation for obtaining certain elasticity, however, during its treatment, there are some regression parameters. The dependence of manufacturing parameters on the quality of the chemical treatment was confirmed. The aim of this work is to improve the properties of the fabric through the development of manufacturing technology appropriately. Finally for the treatment of the strip pancake 100% cotton, a treatment method is recommended.

**Keywords :** elastic, cotton, processing, torsion

**Conference Title :** ICAC 2014 : International Conference on Applied Chemistry

**Conference Location :** Paris, France

**Conference Dates :** September 22-23, 2014