

Fabric hand feel of gauze for infant products

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Abstract

Fabric hand feel is an important properties of textile materials. The fabric hand feel can be instrumentally measured as relative hand value which can describe the hand feel of a human touches a piece of fabric. This study aims to investigate the relative hand feel property of different gauze products for infant in baby care market. The relative hand feel property was evaluated by AATCC Test Method 202 and the fabric hand value could be calculated in order to determine the quality of fabric.

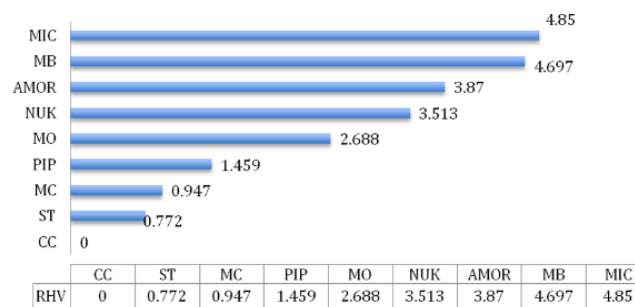
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Content:

In the baby apparel market, gauze is an excellent material for infant apparel. Relative hand value is a significant factor for textile materials, which describes the hand feel of a human touching a piece of fabric according to AATCC Test Method 202. The primary purpose of the calculation of fabric hand value is to determine the quality of fabric by evaluating the characteristics such as softness, smoothness and stiffness. The fabric hand depends on one's judgment, which is closely related to time, season, trend and region together with individual preferences. Fabric hand can be stimulated by the physical tactile sensation to the mechanical properties of a fabric. Several studies reviewed that the fabric hand could be expressed in sensory feeling of physical properties of a fabric and analyzed through measurement parameters, for examples, the stiffness, softness and roughness. The present study aims to investigate the relative hand property of gauze products for infant.

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Relative hand value of different brands of gauze fabric with different materials