

Study of the Way to Introduce Compound Antimicrobial Agent into Lining Fabrics Which Commonly Used in Shoes

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Abstract: With the improvement of people's life quality, there is an increasing demand for shoes productions' healthful and comfortable hygiene function. Therefore, the anti-bacteria function has become one of the shoes' development tendencies. Shoes with anti-bacteria function not only fulfill the modern people's demand for comfortable hygiene feelings, but also could add extra-value to the productions and expand the developing scope for shoes manufacture. Consequently, It's of significance to study the methods of producing highly-efficient and low-cost anti-bacteria lining materials.

This thesis comprehensively analyses the often-used shoes lining materials of after-treatment method tended to the introduction style of three composite antibacterial agent of cotton fabric. Through the methods such as experiment and duration test of the anti-bacterial fabric's function, the best padding introduction style which makes the anti-bacteria fiber and lining material cement steadier can be gained, from that better long-acting and slow-releasing function of killing bacterial can be achieved.

Key words: composite antibacterial agent; lining materials; introduction style; dipping; padding