

Comparison of Various Properties Between Nanoencapsulated Cotton Denim fabric and The Untreated Cotton Denim Fabric

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Abstract: Examining electron magnifying instrument investigation was done to quantify the size of Nano cases. The molecule size assumes an essential part in deciding their bond to the texture. It is sensible to expect that the biggest particles will be effectively eliminate from the fiber surface, while the little particles will enter further and follow firmly into texture. The SEM examination of the treated textures showed Nano particles installed on to the textures. The method has been developed to prepare Nano encapsulation finish on 100% cotton denim fabrics to impart functional properties. The Nano encapsulated cotton denim fabric is found to have the antimicrobial property even after 30 industrial washes. It likewise plainly exhibited that the treated textures showed expanded antibacterial and antifungal impact in correlation with the untreated texture utilizing utilitarian, physical, mechanical, solace and permeableness tests.

Keywords: Antimicrobial, Denim fabric, Functional test, Physical test, Mechanical test, Comfort test, Absorbency test.

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