

عنوان مقاله:

Study of Mechanical and Physical Properties of Automotive Seat Cover Polyester Fabric Treated by Fluorochemical and Sio2 Nanoparticles

محل انتشار:

چهارمین کنگره بین المللی پوشش های حمل و نقل (سال: 1393)

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خلاصه مقاله:

Liquid repellency finishes have become one of the most significant treatments in these days. Many researchers reported different methods and materials used to produce repellency qualities on polyester fabrics. Polyester fabric is commonly used in different industries including automotive industry as a seat cover. In this work, it is aimed to investigate physical and mechanical properties of seat cover polyester fabric treated with fluorochemical and Sio2 nanoparticles. The physical and mechanical performance of them was studied by using different test methods including Scanning Electron Microscopy (SEM), abrasion fastness and bending length. The results indicated that the mentioned properties of the seat cover polyester fabric are affected from fluorochemical and Sio2 nanoparticles.

کلمات کلیدی:

Scanning Electron Microscopy (SEM), abrasion, bending length, Automotive Seat Cover Polyester Fabric

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