

The use of novelty and set textured yarns to improve the functional and aesthetic properties of upholstery fabrics and their preparation

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Abstract:

Upholstery fabrics and one of the most important qualities of important textile products that are a textile industry and submission to the public and upholstery fabrics vary in a both for the design or production from other types of fabrics and this difference is due to specific factors to the nature of those qualities of fabrics And it is considered anovelty and specially yarns one of the main factors that depend designer to get the properties of the cloth required to be achieved, whether the mechanical properties or natural and function properties and different clothes designs and different the counting of yarns fabric and types different for novelty and specially and set textured yarns furnishings produced using the doby device is different fabrics on the ability to respond to the final processing Which affects the desired end use properties and the structural elements of the textiles are: the type of material, the textile design, the type of the counting of yarns, the type of yarns, whether they are anovelty and specially yarns or set textured yarns The following textile designs were used (pattern - traditional mesh - plain 1/1 - atlas - broken file) and The final processing was done on some upholstery fabrics ((Fire Retard - Stain Repellent - Fire Retard and Stain Repellent)) to show its effect on the property of tensile strength and elongation - weight per square meter – abrasion resistance (wet - dry) - release angle - washing - water permeability- contact angle – flaming time for the number of five samples represented in 100% cotton anovelty weft couting of yarns 30/2, 100% cotton anovelty couting of yarns 24/2, anovelty cotton anovelty couting of yarns 24 / 1, anovelty yarns cotton 100% couting of yarns 24 / 1 and Set textured Cotton 70% couting of yarns 24/1, After studying the statistical results of the tests, it became clear that there were significant differences between the samples and the different treatments due to the difference in the final processing of the type of material, the type of yarn, whether it was anovelty yarns or set textured yarns, and the counting of yarns, and the difference in the comparability of each sample to the processing affects the functional properties of the finished products of the fabrics.

Keywords :

Upholstery Fabrics, Fire Retard , Stain Repellent,, Novelty and specially yarns, Set textured yarns

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