

A Study of the effect of the variation in the strength of the annexation, the number of wefts and the type of yarn used in the base of pile fabrics to wels on the mechanical properties.

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Abstract:

The need has recently increased for the land-based fabrics (towels), as they represent a broad sector of textile production sectors, which are of great importance and distinctive in covering many of the dimensions used by consumers.

The research is therefore aimed at studying the comparison of the filament threads used in the terrestrial fabric of the Earth's fabrics with the style of the ring yarn and the spinning of the party open to its specifications that makes it valuable and significant among other species and other methods of different yarn and using different combine forces. Also, the number of different units in the unit of measurement and the effect of these variables on mechanical properties of the Earth's fabric in these types of fabrics, such as the power of tightening and contraction are highly available qualities in these fabrics due to their daily and iterative uses.

As well as the production of fabrics and land in the way of the asphalt from a thread of yarn in the style of the loop and the open side yarn to reach the best number of units in the unit of measure and also the combined force used to produce fabrics and towels.

The search has reached:-

-the possibility of using the open-end yarn threads in the ground fabrics to characterize them with a few, compared to the style of the ring yarn

-There is a statistical correlation between the number of units in the unit of measurement and the force of annexation used and the strength of the tensile and shrinking of the land fabrics.

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