Coloration approaches on sheath/core type nylon fibers having PCM particles

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Abstract

Thermo-regulated textiles have been attracted more attention in medical textile application areas. Phase change materials, namely PCM, are substance with a high hear of fusion and can absorb a lot of energy before melting, which make the temperature remain constant during the phase changes. Herein, using nylon fibers having different PCM content were dyed and characterized to determine the coloration properties with PCM content ratio. The corresponding findings were discussed.

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