

METHOD FOR DYEING NYLON FILAMENTS

A B S T R A C T

5 A method for dyeing nylon filaments for use
in wear-indicating toothbrushes includes immersing a
batch of a first nylon filament for between 10 minutes
and 80 minutes in an aqueous solution containing
between 0.01% and 0.19% weight to volume of Indigotine
dye, said solution having a pH between 1 and 7 and
having a temperature between 50°C. and 90°C., the dye
10 penetrating into the filament to color an outer cross-
sectional region and not penetrating into an inner
cross-sectional region of the filament; removing the
batch of the first nylon filament from the solution,
and repeating the steps for a batch of a second nylon
15 filament, reusing the same solution.

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