

Title (en)

Individualized, crosslinked fibers and process for making said fibers.

Title (de)

Individuell vernetzte Fasern und Verfahren zum Herstellen solcher Fasern.

Title (fr)

Fibres réticulées individuellement et procédé de préparation de ces fibres.

Publication

EP 0251676 B1 19950222 (EN)

Application

EP 87305616 A 19870624

Priority

US 87967186 A 19860627

Abstract (en)

[origin: EP0251676A2] Individualized, crosslinked fiber, and process for making such fibers. The individualized, crosslinked fibers have between about 0.5 mole % and about 3.5 mole % crosslinking agent, calculated on a cellulose anhydroglucose molar basis, reacted with fibers in the form of intrafiber crosslink bonds, wherein the crosslinking agent is selected from the group consisting of C2 - C8 dialdehydes, C2 - C8 dialdehyde acid analogues having at least one aldehyde functionality, and oligomers of such C2 - C8 dialdehydes, and dialdehyde acid analogues. Preferably, the crosslinking agent is glutaraldehyde, and between about 0.75 mole % and about 2.5 mole % crosslinking agent react to form the intrafiber crosslink bonds. The individualized crosslinked fibers are useful in a variety of absorbent structure applications.

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IPC 8 full level

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