

EASILY DYEABLE META-FORM WHOLLY AROMATIC POLYAMIDE FIBER

Abstract

An easily dyeable meta-form wholly aromatic polyamide fiber is provided which has excellent dyeability and excellent acid resistance and is extremely reduced in the content of a residual solvent. The components of a coagulating bath or conditions are suitably controlled so as to result in a coagulated form having no skin core. The resultant fiber is stretched in a plastic state at a specific stretch ratio. After a cleaning step, a dry heat treatment is conducted at a specific temperature. An easily dyeable meta-form wholly aromatic polyamide fiber is provided which has excellent dyeability and excellent acid resistance and is extremely reduced in the content of a residual solvent. The components of a coagulating bath or conditions are suitably controlled so as to result in a coagulated form having no skin core. The resultant fiber is stretched in a plastic state at a specific stretch ratio. After a cleaning step, a dry heat treatment is conducted at a specific temperature.

(No suitable figure)